U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

SEARCH REQUEST FORM

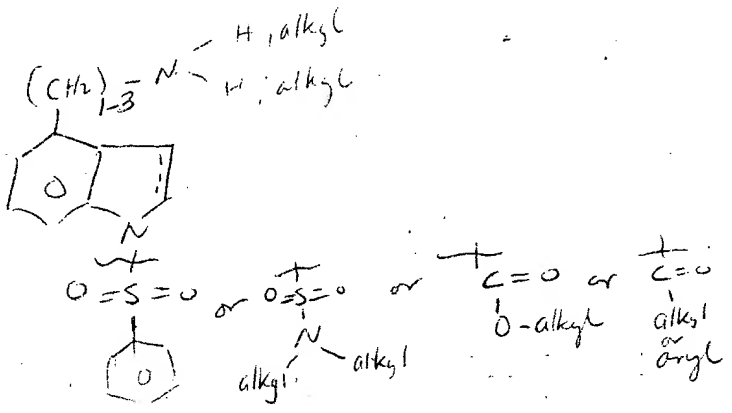
Requestor's Name: D. Lambkin Serial Number: 09/392,406

Date: 3/7 00 Phone: 308-4522 Art Unit: ~~1626~~ 3603

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).

Paula please search the following



Thanks DL

STAFF USE ONLY

Date completed: 3/3/00

Searcher: Stephanie

Terminal time: _____

Elapsed time: _____

CPU time: _____

Total time: _____

Number of Searches: _____

Number of Databases: _____

Search Site

_____ STIC

_____ CM-1

_____ Pre-S

Type of Search

_____ N.A. Sequence

_____ A.A. Sequence

_____ Structure

_____ Bibliographic

Vendors

_____ IG

_____ STN

_____ Dialog

_____ APS

_____ Geninfo

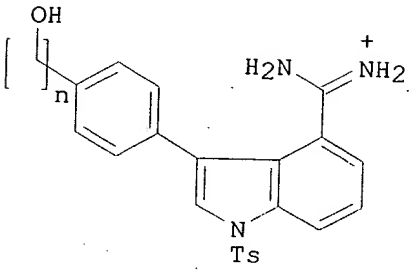
_____ SDC

_____ DARC/Questel

_____ Other

PTO-1590 (9-90)

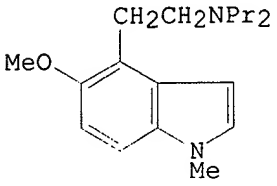
L18 ANSWER 10 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1995:264067 HCAPLUS
DOCUMENT NUMBER: 123:169468
TITLE: Supramolecular phosphorylation of cationic alcohols with a 3-arylindole-4-carboxyamidine framework
AUTHOR(S): Reckenbeil, Dieter; Bats, Jan W.; Duerner, Gerd; Goebel, Michael W.
CORPORATE SOURCE: Inst. Org. Chen., Univ. Frankfurt, Frankfurt am Main, D-60439, Germany
SOURCE: Liebigs Ann. Chem. (1994), (12), 1219-29
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: German
GI



I

AB The synthesis of 8-phenylnaphthalene-1-carboxamidines equipped with nucleophilic side chains was recently reported. In the protonated state such compds. were able to coordinate phosphoric acid diesters as ion-pair complexes and to react with them in a quasi-intramol. way. In comparison with noncharged alcs. high-rate enhancements of phosphorylation could be achieved. Now the synthesis of analogous amidinium alcs. constructed from a 3,4-disubstituted indole framework is described. Due to the five-membered ring of the indole the angle between the substituents of I

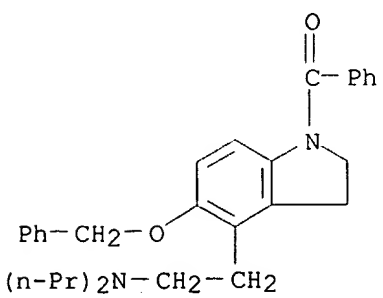
L18 ANSWER 14 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1992:584656 HCAPLUS
DOCUMENT NUMBER: 117:184656
TITLE: Derivatives of 4-(2-N,N-di-n-propylaminoethyl)-5-hydroxyindole: synthesis and pharmacological effects
AUTHOR(S): Cannon, Joseph G.; Roufos, Ioannis; Ma, Sheng Xing; Long, John Paul
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: Pharm. Res. (1992), 9(6), 735-8
CODEN: PHREEB; ISSN: 0724-8741
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB 5-Methoxy-1-methyl-4-(2-N,N-di-n-propylaminoethyl) (I) was synthesized from 5-hydroxyindole by a multistep synthesis. This target compd. was designed as a bioisostere of "p-dimethoxy" catechol congeners of dopaminergic agonists derived from a variety of ring systems, in some of which p-dimethoxysubstituted systems are potent, active dopaminergic agonists. To complete the indole series, all possible combinations of N- and O-demethylated derivs. of I were prepd. and evaluated pharmacol. All members of this indole-derived series showed a low order of cardiovascular activity, which appeared to be independent of dopamine receptors. The lack of dopaminergic activity of I is cited as yet another example of the unpredictable effect of replacement of the catechol moiety of a dopaminergic agonist with a p-dimethoxy moiety.

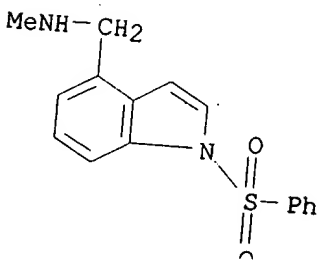
IT **143389-48-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis and aromatization of)
RN 143389-48-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-(phenylmethoxy)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H36 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXLIT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

NAME) [redacted] Methanamine, N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX

FS 3D CONCORD
MF C16 H16 N2 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



DOCUMENT NUMBER: 125:10624

TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase

INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.

PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

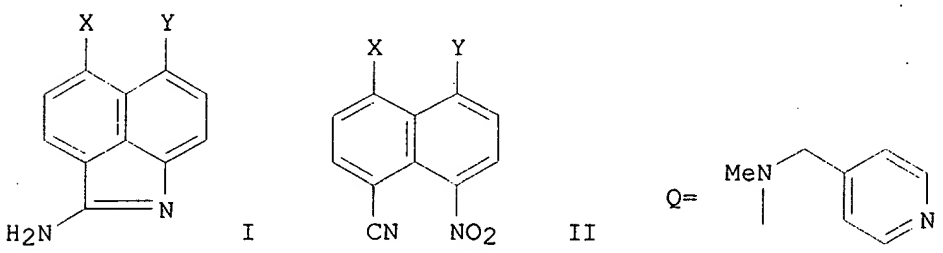
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

OTHER SOURCE(S): MARPAT 125:10624

GI



AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., $SnCl_2$) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

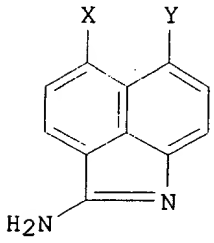
IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhib[illegible]ynthase)

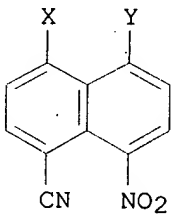
RN 177210-26-3 REGISTRY

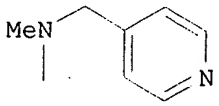
ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

OTHER SOURCE(S): MARPAT 125:10624
GI



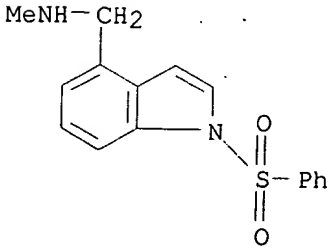
I


II
Q=


AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)



RN 177210-26-3 REGISTRY
CN 1H-Indole-4-methanamine, N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

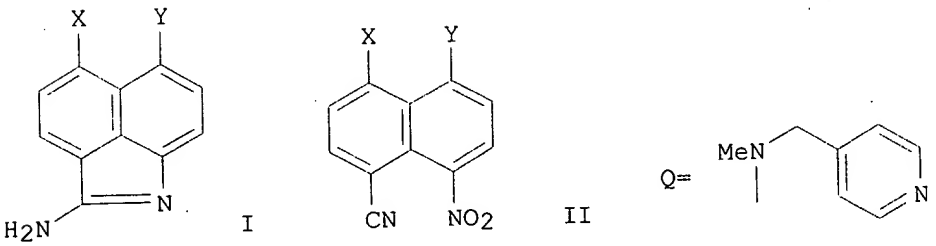
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:10624

L18 ANSWER 9 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

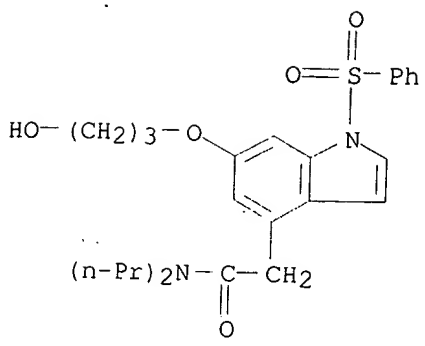
OTHER SOURCE(S): MARPAT 125:10624
GI



AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:101757

L18 ANSWER 13 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1993:101757 HCAPLUS
DOCUMENT NUMBER: 118:101757
TITLE: Preparation of alkyl-substituted indoles in the benzene portion. Part 6. Synthetic procedure for 4-, 5-, 6-, or 7-alkoxy- and hydroxyindole derivatives
AUTHOR(S): Fuji, Masahiro; Muratake, Hideaki; Natsume, Mitsutaka
CORPORATE SOURCE: Res. Found, Itsuu Lab., Tokyo, 158, Japan
SOURCE: Chem. Pharm. Bull. (1992), 40(9), 2344-52
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 118:101757

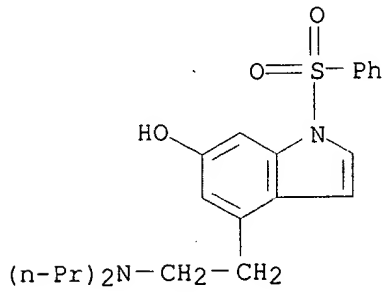
AB A novel method for the prepn. of indole derivs. that are alkoxy- and hydroxy-substituted in the benzene portion of the indole nucleus is described. The acid-induced cyclization reaction of (arylsulfonyl)pyrrole derivs. in the presence of an appropriate alc. gave 4-, 5-, 6-, and 7-alkoxyindole derivs., resp., where the alkoxy group was originated from the alc. employed. As an application of the present method, a short and efficient synthesis of two dopamine agonists was attained by treating appropriately functionalized pyrrole derivs. with an acid in the presence of 1,3-propanediol, followed by deprotection of alkoxy function, and subsequent redn. with LiAlH4. A reaction mechanism is also suggested for the formation of an unusual product, 4-[2-(dipropylamino)-1-hydroxyethyl]-6-hydroxyindole in the redn. of N,N-dipropyl-(6-hydroxy-1-phenylsulfonyl)indole-4-acetamide.

IT **146073-40-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and Swern oxidn. of)

IT **146073-41-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and lithium aluminum hydride redn. of)

IT **146073-35-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 146073-35-0 REGISTRY
CN 1H-Indol-6-ol, 4-[2-(dipropylamino)ethyl]-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H28 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS

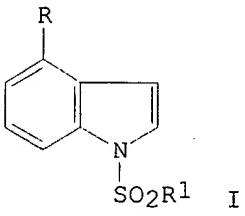


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:101757

benzene portion. Part 5. Efficient preparative procedure for 4-substituted indole derivatives

AUTHOR(S): Fuji, Masahiro; Muratake, Hideaki; Natsume, Mitsutaka
CORPORATE SOURCE: Res. Found., Itsuu Lab., Tokyo, 158, Japan
SOURCE: Chem. Pharm. Bull. (1992), 40(9), 2338-43
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 118:124343
GI



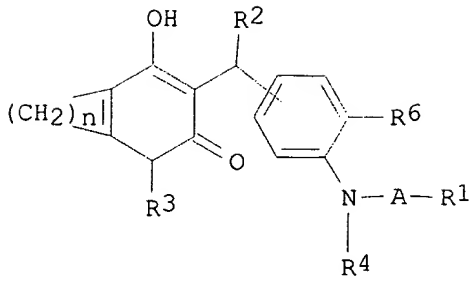
I

AB An effective and short synthetic method for 4-substituted indole derivs. was developed based on the two sequential reactions, i.e. nucleophilic addn. of carbanions to common precursor mols., 3-(1,3-dioxolan-2-yl)-1-[1-(phenylsulfonyl)- and 1-[(4-methylphenyl)sulfonyl]-3-pyrrolyl]-1-propanones, followed by the acid-induced cyclization reaction of the resulting adducts to form 4-substituted 1-(phenylsulfonyl)- and 1-[(4-methylphenyl)sulfonyl]indole derivs., e.g. I [R = CH(SO2Ph)CH2CH2OBn, R1 = Ph]. This new method makes it possible readily to synthesize important intermediates, such as Me 1-(phenylsulfonyl)indole-4-carboxylate, 4-formyl-1-(phenylsulfonyl)indole, and Me 1-(phenylsulfonyl)indole-4-acetate for numerous indole alkaloids, as well as a potent dopamine agonist, 4-[2-(dipropylamino)ethyl]indole.

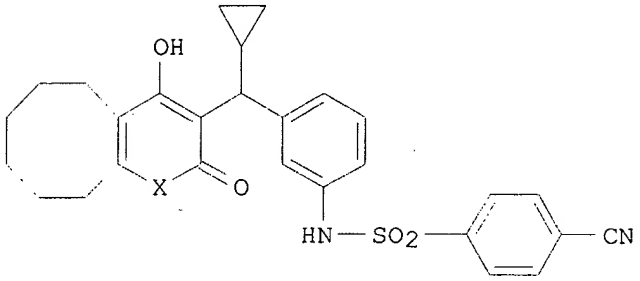
IT **146073-10-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and redn. of)

L17 ANSWER 34 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 146073-10-1 REGISTRY
CN 1H-Indole-4-acetamide, 1-(phenylsulfonyl)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H26 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, CHEMINFORMRX

L17 ANSWER 11 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 177210-22-9 REGISTRY
CN 1H-Indole-4-methanamine, N-(2-aminobenz[cd]indol-6-yl)-N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C27 H22 N4 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



I

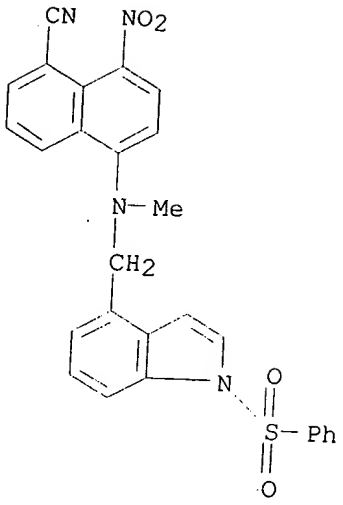


II

AB The title compds. [I; R1 = alkyl, (un)substituted aryl or 5-6 numbered heterocyclyl; R2 = H, lower alkyl, cycloalkyl; R3 = H, OH, NH2, lower alkyl, etc.; R4, R5 = H, lower alkyl, or combine together with N, S, or O to form a heterocyclyl; n = 3-8] are prepd. I, possessing HIV protease inhibitory activity, are useful for prevention and treatment of AIDS and related diseases (no data). Thus, pyridone deriv. (II; X = O) (prepn. given) was treated with NH3.H2O to give the title compd. II (X = NH).

IT **189293-35-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyridone derivs. as HIV protease inhibitors)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

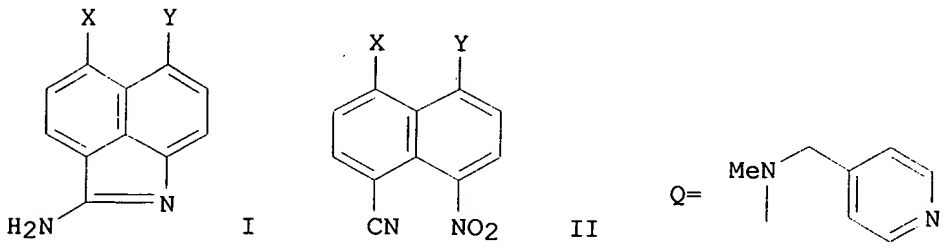
REFERENCE 1: 125:10624

L10 ANSWER 5 OF 22 HCAPLUS COPYRIGHT 2006 ACS

ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

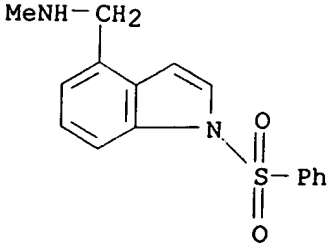
OTHER SOURCE(S): MARPAT 125:10624
GI



AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)



RN 177210-26-3 REGISTRY
CN 1H-Indole-4-methanamine, N-methyl-1-(phenylsulfonyl)- (NAME)

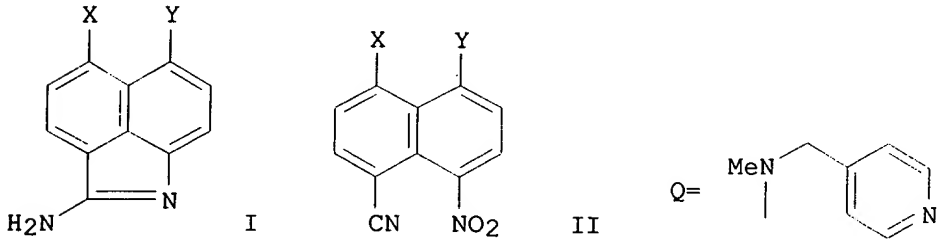
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: [redacted]

ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

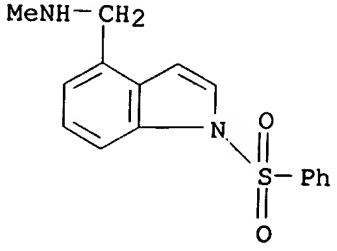
OTHER SOURCE(S): MARPAT 125:10624
GI



AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)



RN 177210-26-3 REGISTRY
CN 1H-Indole-4-methanamine, N-methyl-1-(phenylsulfonyl)-(9CI) (CA INDEX NAME)

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

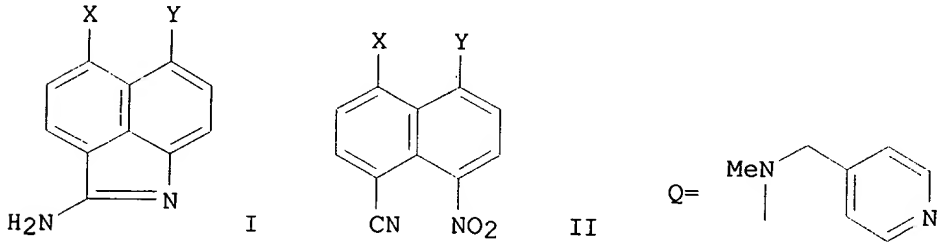
REFERENCE 1: [redacted]

L10 ANSWER 9 OF 21 HCAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

OTHER SOURCE(S): MARPAT 125:10624
GI

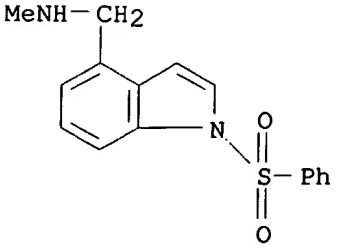


AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

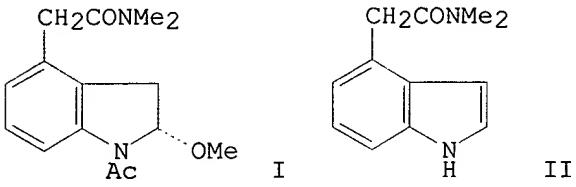
LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
IT **132560-38-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., debenzoylation, or aromatization of)

L18 ANSWER 17 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1990:515637 HCAPLUS
DOCUMENT NUMBER: 113:115637
TITLE: A new approach to 4-(2-aminoethyl)indoles via Claisen ortho-amide rearrangement of 3-hydroxy-2-methoxyindolines
AUTHOR(S): Kawasaki, Tomomi; Ohtsuka, Hiroaki; Sakamoto, Masanori
CORPORATE SOURCE: Meiji Coll. Pharm., Tokyo, 154, Japan
SOURCE: J. Chem. Soc., Chem. Commun. (1990), (10), 781-2
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:115637
GI



I II

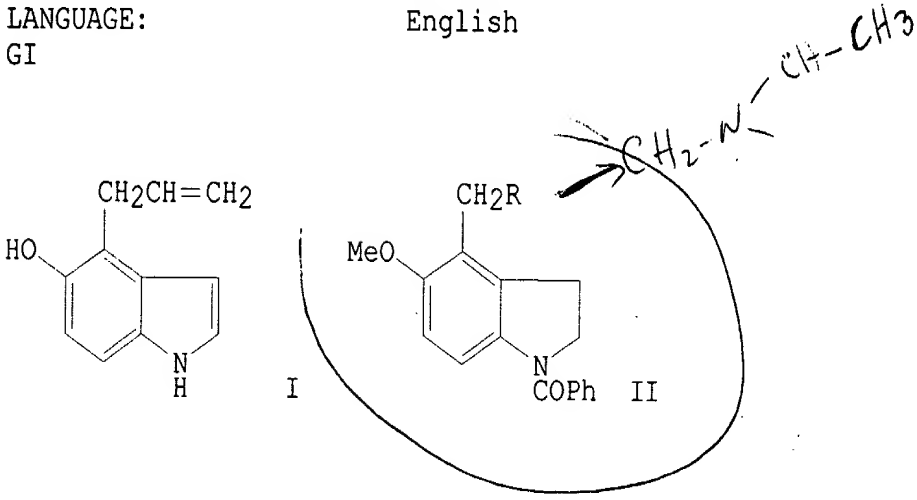
AB Reaction of 3-hydroxy-2-methoxyindoline with MeC(OEt)2NMe2 gives 4-(carbamoylmethyl)indoline I and -indole II, which are converted into 4-(2-aminoethyl)indole by treatment of I with HCl followed by NaOH to form II, and then by redn. of II with LiAlH4.
IT **129052-51-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and deacetylation of)
IT **129052-50-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and elimination reaction of)
IT **129052-48-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L18 ANSWER 18 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1985:62501 HCAPLUS
DOCUMENT NUMBER: 102:62501
TITLE: Indole-2,3-quinodimethanes. Synthesis of selectively protected derivatives of the fused dimeric indole alkaloid staurosporinone
AUTHOR(S): Magnus, Philip D.; Sear, Nancy L.
CORPORATE SOURCE: Dep. Chem., Indiana Univ., Bloomington, IN, 47405, USA
SOURCE: Tetrahedron (1984), 40(14), 2795-7
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The imine I was converted via an indole-2,3-quinodimethane cyclization to

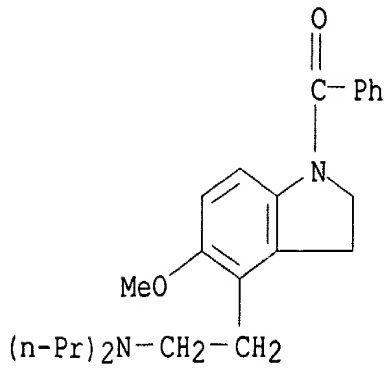
L18 ANSWER 16 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1991:121946 HCAPLUS
DOCUMENT NUMBER: 114:121946
TITLE: Synthetic route to 4-(2-aminoethyl)-5-hydroxyindole derivatives
AUTHOR(S): Cannon, Joseph G.; Roufos, Joannis
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: J. Heterocycl. Chem. (1990), 27(7), 2093-5
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB Claisen rearrangement of 5-allyloxyindole in 1,2,3,4-Me4C6H2 gave 95% allylindole I. Hydride redn., O-methylation, N-benzoylation, and ozonolysis of I gave indoline II (R = CHO). Reductive amination of II (R = CHO) gave II [R = CH2N(CHMe2)]. The air oxidn. of 2,3-dihydroindoles in a strongly basic media is also presented as a new method for the prepn. of indoles.

IT **132560-40-8P**

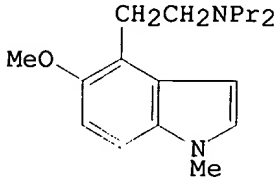
RN 132560-38-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-methoxy-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H32 N2 O2
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:121946

L18 ANSWER 14 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1992:584656 HCAPLUS
DOCUMENT NUMBER: 117:184656
TITLE: Derivatives of 4-(2-N,N-di-n-propylaminoethyl)-5-hydroxyindole: synthesis and pharmacological effects
AUTHOR(S): Cannon, Joseph G.; Roufos, Ioannis; Ma, Sheng Xing; Long, John Paul
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: Pharm. Res. (1992), 9(6), 735-8
CODEN: PHREEB; ISSN: 0724-8741
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

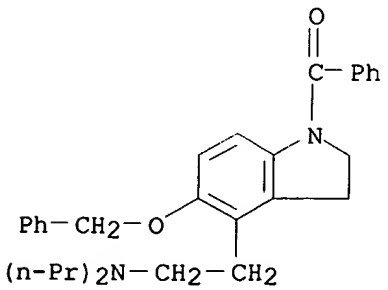


I

AB 5-Methoxy-1-methyl-4-(2-N,N-di-n-propylaminoethyl) (I) was synthesized from 5-hydroxyindole by a multistep synthesis. This target compd. was designed as a bioisostere of "p-dimethoxy" catechol congeners of dopaminergic agonists derived from a variety of ring systems, in some of which p-dimethoxysubstituted systems are potent, active dopaminergic agonists. To complete the indole series, all possible combinations of N- and O-demethylated derivs. of I were prepd. and evaluated pharmacol. All members of this indole-derived series showed a low order of cardiovascular activity, which appeared to be independent of dopamine receptors. The lack of dopaminergic activity of I is cited as yet another example of the unpredictable effect of replacement of the catechol moiety of a dopaminergic agonist with a p-dimethoxy moiety.

IT **143389-48-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis and aromatization of)

RN 143389-48-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-(phenylmethoxy)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H36 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXLIT

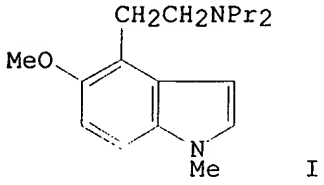


13, 14

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 117:184656

L18 ANSWER 14 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1992:584656 HCAPLUS
DOCUMENT NUMBER: 117:184656
TITLE: Derivatives of 4-(2-N,N-di-n-propylaminoethyl)-5-hydroxyindole: synthesis and pharmacological effects
AUTHOR(S): Cannon, Joseph G.; Roufos, Ioannis; Ma, Sheng Xing; Long, John Paul
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: Pharm. Res. (1992), 9(6), 735-8
CODEN: PHREEB; ISSN: 0724-8741
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

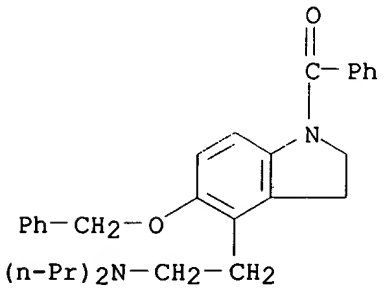


I

AB 5-Methoxy-1-methyl-4-(2-N,N-di-n-propylaminoethyl) (I) was synthesized from 5-hydroxyindole by a multistep synthesis. This target compd. was designed as a bioisostere of "p-dimethoxy" catechol congeners of dopaminergic agonists derived from a variety of ring systems, in some of which p-dimethoxysubstituted systems are potent, active dopaminergic agonists. To complete the indole series, all possible combinations of N- and O-demethylated derivs. of I were prepd. and evaluated pharmacol. All members of this indole-derived series showed a low order of cardiovascular activity, which appeared to be independent of dopamine receptors. The lack of dopaminergic activity of I is cited as yet another example of the unpredictable effect of replacement of the catechol moiety of a dopaminergic agonist with a p-dimethoxy moiety.

IT **143389-48-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis and aromatization of)

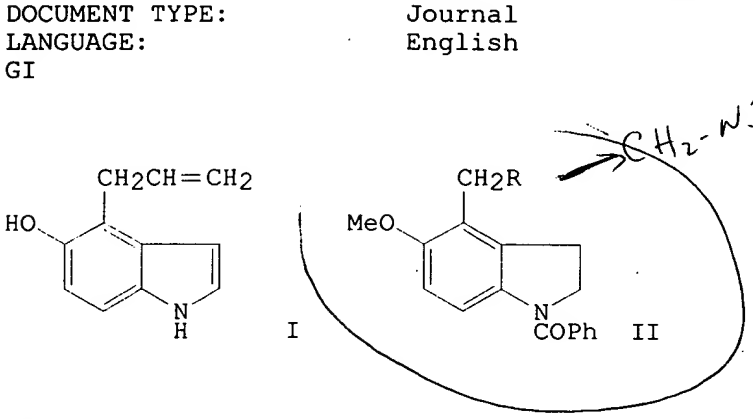
RN 143389-48-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-(phenylmethoxy)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H36 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXLIT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 117:184656

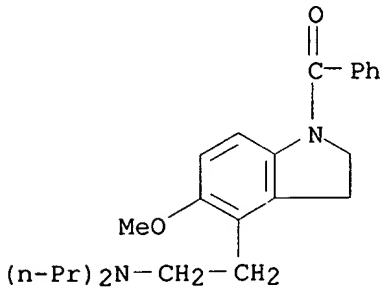
L18 ANSWER 16 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1991:121946 HCAPLUS
DOCUMENT NUMBER: 114:121946
TITLE: Synthetic route to 4-(2-aminoethyl)-5-hydroxyindole derivatives
AUTHOR(S): Cannon, Joseph G.; Roufos, Joannis
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: J. Heterocycl. Chem. (1990), 27(7), 2093-5
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB Claisen rearrangement of 5-allyloxyindole in 1,2,3,4-Me4C6H2 gave 95% allylindole I. Hydride redn., O-methylation, N-benzoylation, and ozonolysis of I gave indoline II (R = CHO). Reductive amination of II (R = CHO) gave II [R = CH2N(CHMe2)]. The air oxidn. of 2,3-dihydroindoles in a strongly basic media is also presented as a new method for the prepn. of indoles.

IT **132560-40-8P**

RN 132560-38-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-methoxy-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H32 N2 O2
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

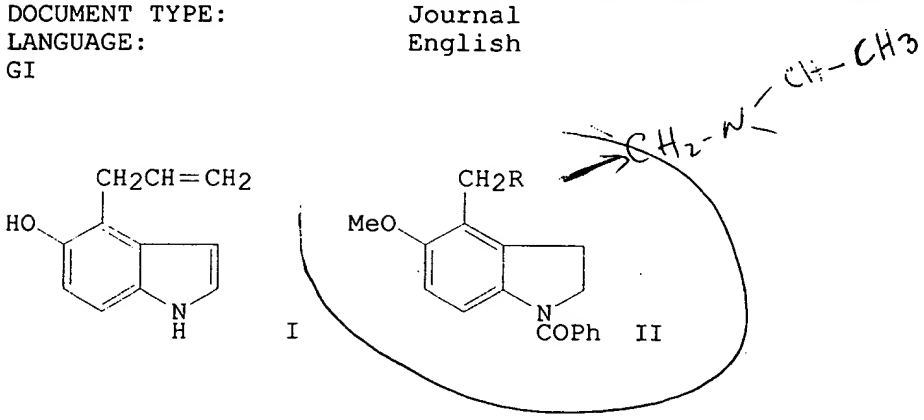


13,14

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:121946

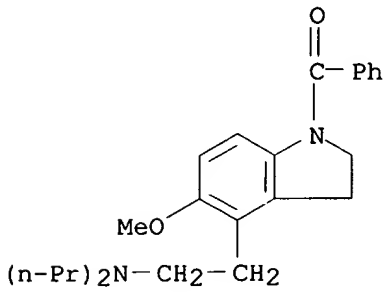
L18 ANSWER 16 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1991:121946 HCAPLUS
DOCUMENT NUMBER: 114:121946
TITLE: Synthetic route to 4-(2-aminoethyl)-5-hydroxyindole derivatives
AUTHOR(S): Cannon, Joseph G.; Roufos, Joannis
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: J. Heterocycl. Chem. (1990), 27(7), 2093-5
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB Claisen rearrangement of 5-allyloxyindole in 1,2,3,4-Me4C6H2 gave 95% allylindole I. Hydride redn., O-methylation, N-benzoylation, and ozonolysis of I gave indoline II (R = CHO). Reductive amination of II (R = CHO) gave II [R = CH2N(CHMe2)]. The air oxidn. of 2,3-dihydroindoles in a strongly basic media is also presented as a new method for the prepn. of indoles.

IT **132560-40-8P**

RN 132560-38-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-methoxy-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H32 N2 O2
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



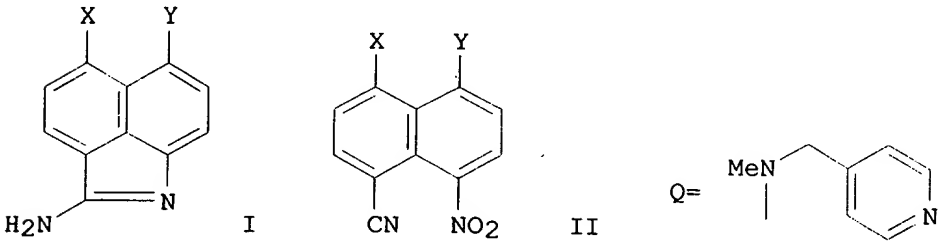
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:121946

ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

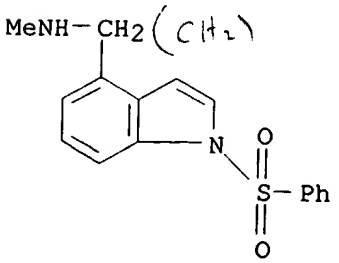
OTHER SOURCE(S): MARPAT 125:10624
GI



AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)



RN 177210-26-3 REGISTRY
CN 1H-Indole-4-methanamine, N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

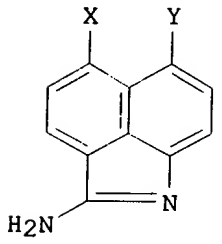
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: [redacted]

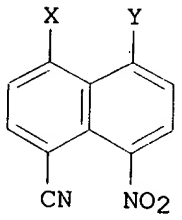
ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

OTHER SOURCE(S): MARPAT 125:10624
GI

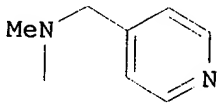


I



II

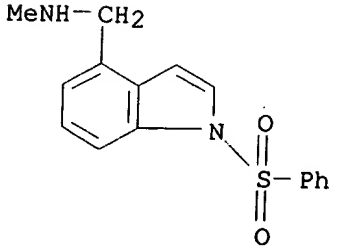
Q=



AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)



RN 177210-26-3 REGISTRY
CN 1H-Indole-4-methanamine, N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: [redacted]

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 17:18:57 ON 03 MAR 2000
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1967 - 3 Mar 2000 VOL 132 ISS 10
FILE LAST UPDATED: 2 Mar 2000 (20000302/ED)

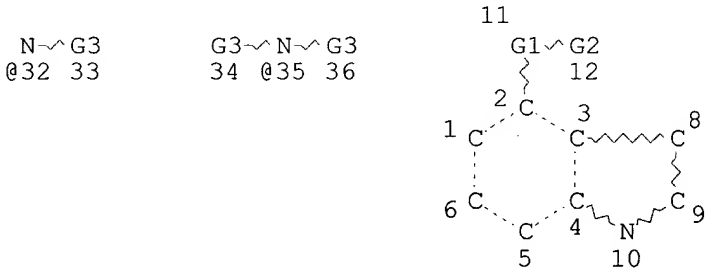
This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=>

=> d stat que l18

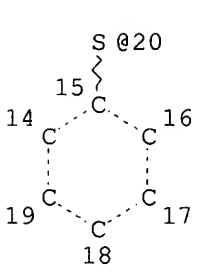
L10 STR

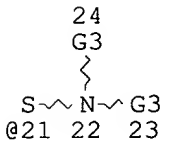


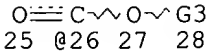
REP G1=(1-3) C
VAR G2=NH2/32/35
VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

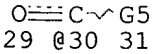
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

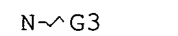
STEREO ATTRIBUTES: NONE
L12 817 SEA FILE=REGISTRY SSS FUL L10
L14 STR

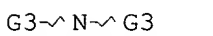


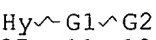








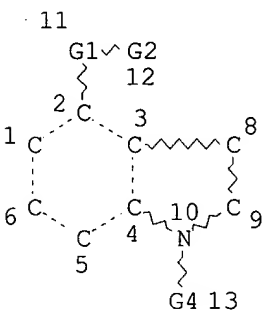


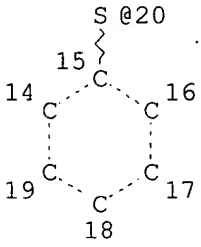


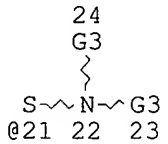
REP G1=(1-3) C
VAR G2=NH2/32/35
VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU
VAR G4=20/30/21/26
VAR G5=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU/CY
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

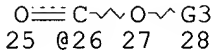
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 27

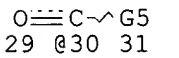
STEREO ATTRIBUTES: NONE
L15 279 SEA FILE=REGISTRY SUB=L12 SSS FUL L14
L16 STR

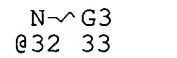


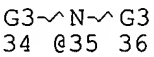












REP G1=(1-3) C
VAR G2=NH2/32/35
VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU
VAR G4=20/30/21/26
VAR G5=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU/CY
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 35

STEREO ATTRIBUTES: NONE

L17 53 SEA FILE=REGISTRY SUB=L15 SSS FUL L16
L18 21 SEA FILE=HCAPLUS ABB=ON PLU=ON L17

=>

=>

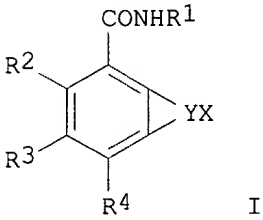
=> d ibib abs hitrn l18 1-21

L18 ANSWER 1 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1999:753213 HCAPLUS
DOCUMENT NUMBER: 131:351239
TITLE: Preparation of naphthalenecarboxamides, indolecarboxamides, quinolinecarboxamides, and related compounds as inhibitors of poly-ADP ribose polymerase.
INVENTOR(S): Li, Jia-he; Zhang, Jie
PATENT ASSIGNEE(S): Guilford Pharmaceuticals Inc., USA
SOURCE: PCT Int. Appl., 162 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9959973	A1	19991125	WO 1998-US18186	19980902

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1998-79514 19980515
US 1998-145178 19980901
OTHER SOURCE(S): MARPAT 131:351239
GI



I

AB Title compds. [I; Y = atoms to form a 5-6 membered, (substituted) (arom.) carbocyclyl, N-heterocyclyl; X is at the 1-position of ring Y and = CO2R5, (substituted) tetrazolyl, hydroxyisoxazolyl, P(:O)(OH)NH2, SO3H, etc.; R1 = H, (substituted) alkyl, alkenyl, cycloalkyl, cycloalkenyl; R2-R4 = H, (substituted) alkyl, alkenyl, cycloalkyl, cycloalkenyl, aralkyl, aryl; with a proviso], were prepd. Thus, 5-carbamoylquinoline-4-carboxylic acid (prepd. in several steps from m-cyanoaniline and di-Et ethoxymethylenemalonate) inhibited PARP with IC5o = 0.25 nM.

IT **250716-67-7P 250716-68-8P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of naphthalenecarboxamides, indolecarboxamides, quinolinecarboxamides, and related compds. as inhibitors of poly-ADP ribose polymerase)

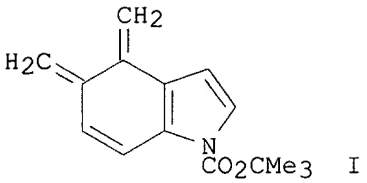
L18 ANSWER 2 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1999:672587 HCAPLUS
DOCUMENT NUMBER: 131:286830
TITLE: Preparation of neo-tryptophan and peptides containing neo-tryptophan as pharmaceuticals
INVENTOR(S): Richelson, Elliott; Cusack, Bernadette Marie; Pang, Yuan-Ping; McCormick, Daniel J.; Fauq, Abdul; Tyler, Beth Marie; Boules, Mona
PATENT ASSIGNEE(S): Mayo Foundation for Medical Education and Research, USA
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9952539	A1	19991021	WO 1999-US7810	19990409
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9934859	A1	19991101	AU 1999-34859	19990409
PRIORITY APPLN. INFO.:			US 1998-81356	19980410
			US 1998-92195	19980709
			US 1998-98119	19980827
			US 1998-112137	19981214
			WO 1999-US7810	19990409

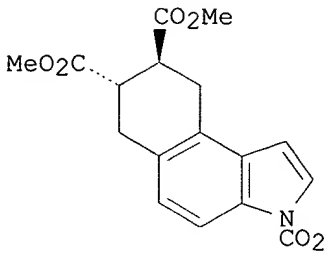
OTHER SOURCE(S): MARPAT 131:286830
AB Neo-tryptophan [2-amino-3-(1H-4-indolyl)propanoic acid] and polypeptides contg. this novel amino acid, such as neurotensin analogs, were prepd. Thus, L-neo-tryptophan was prepd. by a multistep procedure which starts with 2-methyl-3-nitrobenzoic acid and incorporated into novel biol. active neurotensin analogs by Fmoc-related automated solid phase. chem. Analog L-Arg-L-Arg-L-Pro-L-neo-Trp-L-Ile-L-Leu showed Kd = 0.09 .+-. 0.01 nM for binding to human neurotensin receptor.
IT **220499-15-0P 220499-16-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of neo-tryptophan and peptides contg. neo-tryptophan as pharmaceuticals)

L18 ANSWER 3 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1999:199423 HCAPLUS
DOCUMENT NUMBER: 130:352160
TITLE: Directed ortho metalation-cross coupling route to indolo-4,5-quinodimethanes. Synthesis of benz[e]indoles
AUTHOR(S): Kinsman, Aaron C.; Snieckus, Victor
CORPORATE SOURCE: Guelph-Waterloo Centre for Graduate Work in Chemistry, University of Waterloo, Waterloo, ON, N2L 3G1I, Can.
SOURCE: Tetrahedron Lett. (1999), 40(13), 2453-2456
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

OTHER SOURCE(S): CASREACT 130:352160
GI



I



II

AB The first generation of the indolo-4,5-quinodimethane I via O-carbamate directed ortho metalation-cross coupling tactics and its reaction with dienophiles, e.g., trans-MeO2CCH:CHCO2Me, to afford cycloaddn. products, e.g., cyclohexaindole II, is reported.

IT **225117-72-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of indoloquinodimethane and cyclization with dienophiles to give benzindoles)

L18 ANSWER 4 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1999:50001 HCAPLUS
DOCUMENT NUMBER: 130:168621
TITLE: Synthesis of (2S)-2-amino-3-(1H-4-indolyl)propanoic acid, a novel tryptophan analog for structural modification of bioactive peptides
AUTHOR(S): Fauq, Abdul H.; Hong, Feng; Cusack, Bernadette; Tyler, Beth M.; Ping-Pang, Yuan; Richelson, Elliott
CORPORATE SOURCE: Mayo Clinic Jacksonville, Jacksonville, FL, 32224, USA
SOURCE: Tetrahedron: Asymmetry (1998), 9(23), 4127-4134
CODEN: TASYE3; ISSN: 0957-4166
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A convenient, multigram synthesis of a novel .alpha.-amino acid (2S)-2-amino-3-(1H-4-indolyl)propanoic acid, is reported. An N-Fmoc-1-tert-Boc deriv. of this novel regioisomer of the natural arom. amino acid tryptophan could be readily incorporated into bioactive synthetic peptides using std. solid phase synthesis. The synthesis featured the use of Schollkopf chiral auxiliary reagents for chirality induction during a key step.

IT **220499-15-0P 220499-16-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of tryptophan analog amino(indolyl)propanoic acid)

L18 ANSWER 5 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1998:699807 HCAPLUS
DOCUMENT NUMBER: 130:24737
TITLE: Ion-molecule reactions of the benzoyl ion [C6H5CO]+ with compounds containing the amine functional group in a quadrupole ion trap
AUTHOR(S): Williamson, Brian L.; Creaser, Colin S.
CORPORATE SOURCE: Department of Chemistry and Physics, Nottingham Trent University, Nottingham, NG11 8NS, UK
SOURCE: Eur. Mass Spectrom. (1998), 4(2), 103-106
CODEN: EMSPFW; ISSN: 1356-1049
PUBLISHER: IM Publications
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The benzoyl ion, [C6H5CO]+, reacts within the time and pressure regimes of the quadrupole ion trap with compds. contg. an amine functional group to

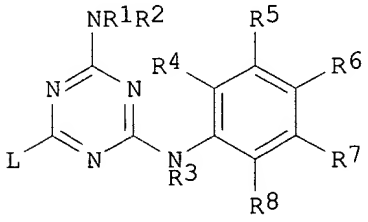
yield characteristic [M + 105]+, [M - NH2]+ and [C6H5CONH3]+ product ions. Product ion distributions are detd. by the amine environment, making it a potentially useful probe for establishing the presence and chem. environment of amine groups.

IT **216365-46-7**
RL: FMU (Formation, unclassified); RCT (Reactant); FORM (Formation, nonpreparative)
(intermediate; ion-mol. reactions of the benzoyl cation with Ropinirole in a quadrupole ion trap)

L18 ANSWER 6 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1998:228992 HCAPLUS
DOCUMENT NUMBER: 128:257449
TITLE: Preparation and anti-HIV activity of substituted diamino-1,3,5-triazine derivatives
INVENTOR(S): Kukla, Michael Joseph; Ludovici, Donald W.; Janssen, Paul Adriaan Jan; Heeres, Jan; Moereels, Henri Emiel Lodewijk
PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 834507	A1	19980408	EP 1997-202917	19970924
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 9704368	A	19980402	NO 1997-4368	19970922
CA 2216486	AA	19980401	CA 1997-2216486	19970925
AU 9739266	A1	19980409	AU 1997-39266	19970926
JP 10114759	A2	19980506	JP 1997-279387	19970929
CN 1180698	A	19980506	CN 1997-121454	19970930
PRIORITY APPLN. INFO.:			US 1996-27260	19961001

OTHER SOURCE(S): MARPAT 128:257449
GI



I

AB The title compds. I [R1, R2 = hydrogen, hydroxy, amino, optionally substituted C1-6alkyl, C1-6alkyloxy, C1-6alkylcarbonyl, C1-6alkyloxycarbonyl, Ar1, mono- or di(C1-6alkyl)amino, mono- or di(C1-6alkyl)aminocarbonyl, dihydro-2(3H)-furanone, or R1 and R2 taken together may form pyrrolidinyl, piperidinyl, morpholinyl, azido or mono- or di(C1-6alkyl)aminoC1-4alkylidene; R3 = hydrogen, Ar1, C1-6alkylcarbonyl, C1-6alkyl, C1-6alkyloxycarbonyl, C1-6alkyl substituted with C1-6alkyloxycarbonyl; R4, R5, R6, R7, R8 = hydrogen, halo, C1-6alkyl, C1-6alkyloxy, cyano, aminocarbonyl, nitro, amino, trihalomethyl, trihalomethyloxy; L = optionally substituted C1-10alkyl, C3-10alkenyl, C3-10alkynyl, C3-7cycloalkyl; Ar1 = optionally substituted phenyl], useful for the manuf. of a medicine for the treatment of subjects suffering from HIV (Human Immunodeficiency Virus) infection, were prepd. E.g., reaction of Ph N'-cyano-N-(4-cyanophenyl)carbamimidate, prepd. from 4-cyanoaniline

and di-Ph N-cyanocarbonimidate, with 2,6-dichlorobenzeneethanimidamide gave 67% 4-[[4-amino-6-[(2,6-dichlorophenyl)methyl]-1,3,5-triazin-2-yl]amino]benzonitrile.

IT **205381-83-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and anti-HIV activity of diaminotriazines)

L18 ANSWER 7 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1998:187226 HCAPLUS
DOCUMENT NUMBER: 128:270493
TITLE: Synthesis of 4-(2-aminoethyl)indoles through Claisen ortho-amide rearrangement of 3-hydroxy-2-methoxyindolines
AUTHOR(S): Kawasaki, Tomomi; Ohtsuka, Hiroaki; Mihira, Ado; Sakamoto, Masanori
CORPORATE SOURCE: Meiji Coll. Pharmacy, Tokyo, 154, Japan
SOURCE: Heterocycles (1998), 47(1), 367-373
CODEN: HTCYAM; ISSN: 0385-5414
PUBLISHER: Japan Institute of Heterocyclic Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 128:270493

AB Reaction of 3-hydroxy-2-methoxyindolines with amide acetals and ketene aminal gave 4-carbamoylmethylindole and -indoline, which were converted into 4-(2-aminoethyl)indole by treatment of the indoline with hydrochloride followed by sodium hydroxide to form the indole, and then by redn. with lithium aluminum hydride.

IT **129052-51-3**
RL: RCT (Reactant)
(prepn. of (aminoethyl)indoles through Claisen ortho-amide rearrangement of (hydroxy)methoxyindolines)

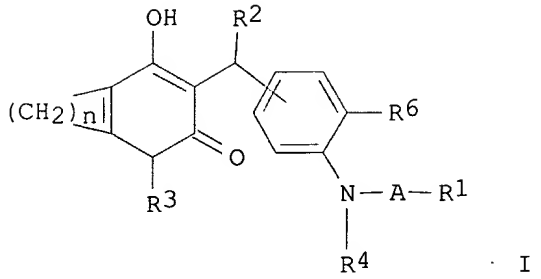
IT **129052-50-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of (aminoethyl)indoles through Claisen ortho-amide rearrangement of (hydroxy)methoxyindolines)

IT **129052-48-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of (aminoethyl)indoles through Claisen ortho-amide rearrangement of (hydroxy)methoxyindolines)

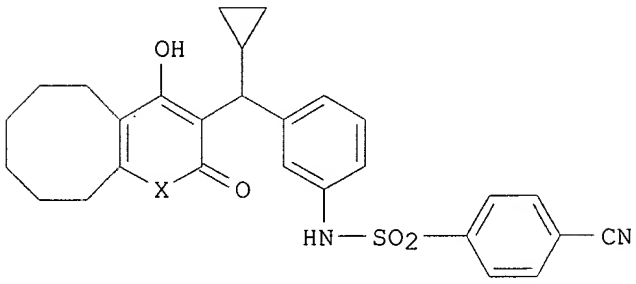
L18 ANSWER 8 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1997:335097 HCAPLUS
DOCUMENT NUMBER: 127:17592
TITLE: Preparation of pyridone derivatives as HIV protease inhibitors
INVENTOR(S): Hara, Ryuichiro; Koide, Tokuo; Yamamoto, Osamu
PATENT ASSIGNEE(S): Soyaku Gijutsu Kenkyusho K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09104675	A2	19970422	JP 1995-259739	19951006

OTHER SOURCE(S): MARPAT 127:17592
GI



I



II

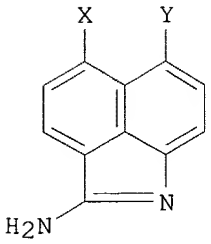
AB The title compds. [I; R1 = alkyl, (un)substituted aryl or 5-6 numbered heterocyclyl; R2 = H, lower alkyl, cycloalkyl; R3 = H, OH, NH2, lower alkyl, etc.; R4, R5 = H, lower alkyl, or combine together with N, S, or O to form a heterocyclyl; n = 3-8] are prepd. I, possessing HIV protease inhibitory activity, are useful for prevention and treatment of AIDS and related diseases (no data). Thus, pyridone deriv. (II; X = O) (prepn. given) was treated with NH3.H2O to give the title compd. II (X = NH).

IT **189293-35-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyridone derivs. as HIV protease inhibitors)

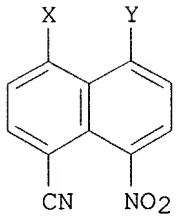
L18 ANSWER 9 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1996:335981 HCAPLUS
DOCUMENT NUMBER: 125:10624
TITLE: Preparation of 2-aminobenz[cd]indole inhibitors of thymidylate synthase
INVENTOR(S): Varney, Michael D.; Palmer, Cindy L.; Deal, Judy G.
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9602502	A1	19960201	WO 1995-US8958	19950718
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498727	A	19960312	US 1994-276929	19940719
US 5545744	A	19960813	US 1995-450801	19950525
AU 9535382	A1	19960216	AU 1995-35382	19950718
PRIORITY APPLN. INFO.:			US 1994-276929	19940719
			WO 1995-US8958	19950718

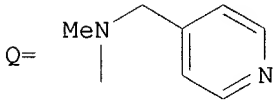
OTHER SOURCE(S): MARPAT 125:10624
GI



I



II

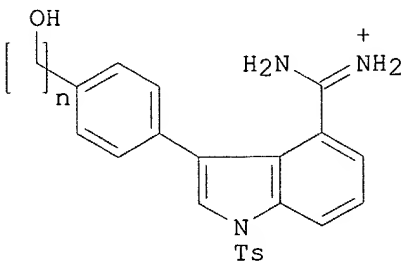


AB The title compds (I; X = H, halogen, alkyl, thioether; Y = amine, thioether alkyl) (e.g., X = H, Y = Q; m.p. 168-170) which are inhibitors of thymidylate synthase (no data), useful as antimycotics (no data) and antitumor agents (no data), are prepd. by the redn. of 9-cyano-1-nitronaphthalenes (II) to form the correspondingly substituted 1-amino-8-cyanonaphthalene compds., which are cyclized in a one-pot procedure using a reducing agent (e.g., SnCl2) which generates an acid that cyclizes the redn. product.

IT **177210-26-3P 177210-27-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

IT **177210-22-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-aminobenz[cd]indole inhibitors of thymidylate synthase)

L18 ANSWER 10 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1995:264067 HCAPLUS
DOCUMENT NUMBER: 123:169468
TITLE: Supramolecular phosphorylation of cationic alcohols with a 3-arylindole-4-carboxyamidine framework
AUTHOR(S): Reckenbeil, Dieter; Bats, Jan W.; Duerner, Gerd; Goebel, Michael W.
CORPORATE SOURCE: Inst. Org. Chen., Univ. Frankfurt, Frankfurt am Main, D-60439, Germany
SOURCE: Liebigs Ann. Chem. (1994), (12), 1219-29
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: German
GI



I

AB The synthesis of 8-phenylnaphthalene-1-carboxamidines equipped with nucleophilic side chains was recently reported. In the protonated state such compds. were able to coordinate phosphoric acid diesters as ion-pair complexes and to react with them in a quasi-intramol. way. In comparison with noncharged alcs. high-rate enhancements of phosphorylation could be achieved. Now the synthesis of analogous amidinium alcs. constructed from a 3,4-disubstituted indole framework is described. Due to the five-membered ring of the indole the angle between the substituents of I

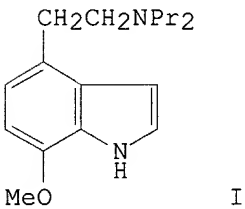
(n = 1,2) is extended compared to the naphthalene derivs. 8-[4-(hydroxymethyl)phenyl]-1-naphthalenecarboximidamide conjugate monoacid and 8-[4-(2-hydroxyethyl)phenyl]-1-aphthalenecarboximidamide conjugate monoacid. As a result from this structural change a slight increase of the phosphorylation rate of I (n = 2) is obsd. I are modeled on a partial structure of staphylococcal nuclease and are potential catalysts for phosphoric diesters and nucleic acids (no data).

IT **167084-16-4P 167084-18-6P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of [(hydroxyalkyl)phenyl]indolecarboximdamides)

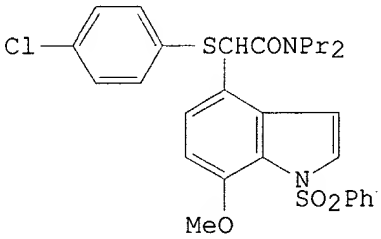
IT **167084-24-4P 167084-25-5P 167084-27-7P**
167084-32-4P 167084-33-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of [(hydroxyalkyl)phenyl]indolecarboximdamides)

IT **167084-15-3P 167084-19-7P 167084-35-7P**
167084-40-4P 167084-41-5P 167084-42-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of [(hydroxyalkyl)phenyl]indolecarboximdamides)

L18 ANSWER 11 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1994:435250 HCAPLUS
DOCUMENT NUMBER: 121:35250
TITLE: The utility of Pummerer rearrangement intermediates in the presence of Lewis acids - a short and practical synthesis of 4-(2-di-n-propylaminoethyl)-7-methoxyindole
AUTHOR(S): Gourdoupis, Christos G.; Stamos, Ioannis K.
CORPORATE SOURCE: Sch. Health Sci., Univ. Patras, Patras, 261 10, Greece
SOURCE: Synth. Commun. (1994), 24(8), 1137-44
CODEN: SYNCAV; ISSN: 0039-7911
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 121:35250
GI



I



II

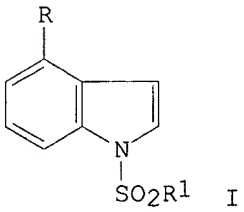
AB Title indole I was prepd. by treatment of II with Ra-Ni and then LiAlH4. II was obtained in high yield utilizing the trapping of a Pummerer intermediate (generated from p-ClC6H4S(O)CH2CONPr2) by 1-(phenylsulfonyl)-7-methoxyindole in the presence of SnCl4.

IT **155602-55-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydride redn. of)

IT **155602-54-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reaction of, in prepn. of (dipropylaminoethyl)methoxyindole)

L18 ANSWER 12 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1993:124343 HCAPLUS
DOCUMENT NUMBER: 118:124343
TITLE: Preparation of alkyl-substituted indoles in the

benzene portion. Part 5. Efficient preparative procedure for 4-substituted indole derivatives
AUTHOR(S): Fuji, Masahiro; Muratake, Hideaki; Natsume, Mitsutaka
CORPORATE SOURCE: Res. Found., Itsuu Lab., Tokyo, 158, Japan
SOURCE: Chem. Pharm. Bull. (1992), 40(9), 2338-43
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 118:124343
GI



I

AB An effective and short synthetic method for 4-substituted indole derivs. was developed based on the two sequential reactions, i.e. nucleophilic addn. of carbanions to common precursor mols., 3-(1,3-dioxolan-2-yl)-1-[1-(phenylsulfonyl)- and 1-[(4-methylphenyl)sulfonyl]-3-pyrrolyl]-1-propanones, followed by the acid-induced cyclization reaction of the resulting adducts to form 4-substituted 1-(phenylsulfonyl)- and 1-[(4-methylphenyl)sulfonyl]indole derivs., e.g. I [R = CH(SO2Ph)CH2CH2OBn, R1 = Ph]. This new method makes it possible readily to synthesize important intermediates, such as Me 1-(phenylsulfonyl)indole-4-carboxylate, 4-formyl-1-(phenylsulfonyl)indole, and Me 1-(phenylsulfonyl)indole-4-acetate for numerous indole alkaloids, as well as a potent dopamine agonist, 4-[2-(dipropylamino)ethyl]indole.
IT **146073-10-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and redn. of)

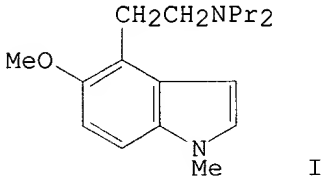
L18 ANSWER 13 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1993:101757 HCAPLUS
DOCUMENT NUMBER: 118:101757
TITLE: Preparation of alkyl-substituted indoles in the benzene portion. Part 6. Synthetic procedure for 4-, 5-, 6-, or 7-alkoxy- and hydroxyindole derivatives
AUTHOR(S): Fuji, Masahiro; Muratake, Hideaki; Natsume, Mitsutaka
CORPORATE SOURCE: Res. Found, Itsuu Lab., Tokyo, 158, Japan
SOURCE: Chem. Pharm. Bull. (1992), 40(9), 2344-52
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 118:101757
AB A novel method for the prepn. of indole derivs. that are alkoxy- and hydroxy-substituted in the benzene portion of the indole nucleus is described. The acid-induced cyclization reaction of (arylsulfonyl)pyrrole derivs. in the presence of an appropriate alc. gave 4-, 5-, 6-, and 7-alkoxyindole derivs., resp., where the alkoxy group was originated from the alc. employed. As an application of the present method, a short and efficient synthesis of two dopamine agonists was attained by treating appropriately functionalized pyrrole derivs. with an acid in the presence of 1,3-propanediol, followed by deprotection of alkoxy function, and subsequent redn. with LiAlH4. A reaction mechanism is also suggested for the formation of an unusual product, 4-[2-(dipropylamino)-1-hydroxyethyl]-6-hydroxyindole in the redn. of N,N-dipropyl-(6-hydroxy-1-phenylsulfonyl)indole-4-acetamide.
IT **146073-40-7P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and Swern oxidn. of)

IT **146073-41-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and lithium aluminum hydride redn. of)

IT **146073-35-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L18 ANSWER 14 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1992:584656 HCAPLUS
DOCUMENT NUMBER: 117:184656
TITLE: Derivatives of 4-(2-N,N-di-n-propylaminoethyl)-5-hydroxyindole: synthesis and pharmacological effects
AUTHOR(S): Cannon, Joseph G.; Roufos, Ioannis; Ma, Sheng Xing; Long, John Paul
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: Pharm. Res. (1992), 9(6), 735-8
CODEN: PHREEB; ISSN: 0724-8741
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB 5-Methoxy-1-methyl-4-(2-N,N-di-n-propylaminoethyl) (I) was synthesized from 5-hydroxyindole by a multistep synthesis. This target compd. was designed as a bioisostere of "p-dimethoxy" catechol congeners of dopaminergic agonists derived from a variety of ring systems, in some of which p-dimethoxysubstituted systems are potent, active dopaminergic agonists. To complete the indole series, all possible combinations of N- and O-demethylated derivs. of I were prepd. and evaluated pharmacol. All members of this indole-derived series showed a low order of cardiovascular activity, which appeared to be independent of dopamine receptors. The lack of dopaminergic activity of I is cited as yet another example of the unpredictable effect of replacement of the catechol moiety of a dopaminergic agonist with a p-dimethoxy moiety.

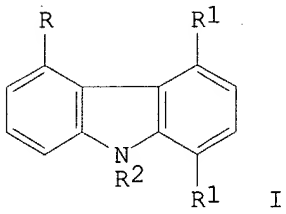
IT **143389-48-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis and aromatization of)

L18 ANSWER 15 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1992:106087 HCAPLUS
DOCUMENT NUMBER: 116:106087
TITLE: Preparation of 4-(aminoalkyl) carbazoles as antipsychotic agents
INVENTOR(S): Nakazato, Atsuro; Kitsukawa, Sanae; Kawashima, Yutaka; Hatayama, Katsuo; Hibino, Satoshi
PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

EP 458654	A1	19911127	EP 1991-304753	19910524
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5116995	A	19920526	US 1991-702507	19910520
JP 05001031	A2	19930108	JP 1991-214844	19910521
PRIORITY APPLN. INFO.:			JP 1990-135838	19900525

OTHER SOURCE(S): MARPAT 116:106087
GI



I

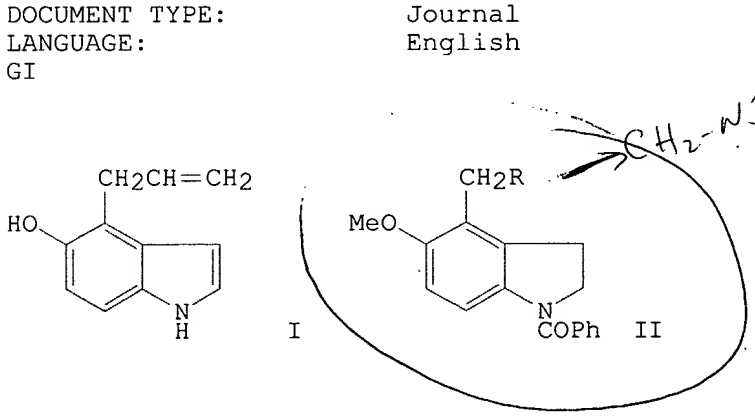
AB Title compds. [I; R = (CH2)nNR3R4; R1 = H, alkyl; R2 = H, alkyl, alkanoyl, Bz; R3, R4 = H, (phenyl)alkyl, alkenyl; NR3R4 = morpholino, piperidino, pyrrolidino, piperazino; n = 1-3] were prepd. Thus, Et indole-4-carboxylate was cyclocondensed with MeCOCH2CH2COMe and the N-protected product converted to I (R = CH2Cl, R1 = Me, R2 = 4-MeC6H4SO2) which was condensed with Pr2NH to give, after deprotection, I (R = CH2NPr2, R1 = Me, R2 = H). The latter reduced methamphetamine-induced hyperlocomotion in mice to 35.3% that of controls at 50 mg/kg i.p.

IT **139304-44-2P 139304-45-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antipsychotic agent)

L18 ANSWER 16 OF 21 HCAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER:	1991:121946 HCAPLUS
DOCUMENT NUMBER:	114:121946
TITLE:	Synthetic route to 4-(2-aminoethyl)-5-hydroxyindole derivatives
AUTHOR(S):	Cannon, Joseph G.; Roufos, Joannis
CORPORATE SOURCE:	Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE:	J. Heterocycl. Chem. (1990), 27(7), 2093-5 CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE:	Journal
LANGUAGE:	English

GI

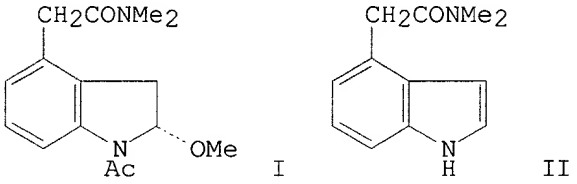


AB Claisen rearrangement of 5-allyloxyindole in 1,2,3,4-Me4C6H2 gave 95% allylindole I. Hydride redn., O-methylation, N-benzoylation, and ozonolysis of I gave indoline II (R = CHO). Reductive amination of II (R = CHO) gave II [R = CH2N(CHMe2)]. The air oxidn. of 2,3-dihydroindoles in a strongly basic media is also presented as a new method for the prepn. of indoles.

IT **132560-40-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
IT **132560-38-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., debenzoylation, or aromatization of)

L18 ANSWER 17 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1990:515637 HCAPLUS
DOCUMENT NUMBER: 113:115637
TITLE: A new approach to 4-(2-aminoethyl)indoles via Claisen ortho-amide rearrangement of 3-hydroxy-2-methoxyindolines
AUTHOR(S): Kawasaki, Tomomi; Ohtsuka, Hiroaki; Sakamoto, Masanori
CORPORATE SOURCE: Meiji Coll. Pharm., Tokyo, 154, Japan
SOURCE: J. Chem. Soc., Chem. Commun. (1990), (10), 781-2
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:115637
GI



I II

AB Reaction of 3-hydroxy-2-methoxyindoline with MeC(OEt)2NMe2 gives 4-(carbamoylmethyl)indoline I and -indole II, which are converted into 4-(2-aminoethyl)indole by treatment of I with HCl followed by NaOH to form II, and then by redn. of II with LiAlH4.
IT **129052-51-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and deacetylation of)
IT **129052-50-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and elimination reaction of)
IT **129052-48-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L18 ANSWER 18 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1985:62501 HCAPLUS
DOCUMENT NUMBER: 102:62501
TITLE: Indole-2,3-quinodimethanes. Synthesis of selectively protected derivatives of the fused dimeric indole alkaloid staurosporinone
AUTHOR(S): Magnus, Philip D.; Sear, Nancy L.
CORPORATE SOURCE: Dep. Chem., Indiana Univ., Bloomington, IN, 47405, USA
SOURCE: Tetrahedron (1984), 40(14), 2795-7
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

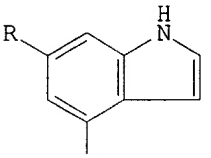
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The imine I was converted via an indole-2,3-quinodimethane cyclization to

the hexahydroindolocarbazole II, which was further converted to the N-carbomethoxy deriv. of staurosporinone (III).

IT **94475-51-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and cyclization with phosgene, indolylpyrrolocarbazole deriv. from)

L18 ANSWER 19 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1984:85539 HCAPLUS
DOCUMENT NUMBER: 100:85539
TITLE: 6-Hydroxy-4-[2-di-n-propylaminoethyl]indole: synthesis and dopaminergic actions
AUTHOR(S): Cannon, Joseph G.; Lee, Teresa; Ilhan, Mustafa; Koons, Jay; Long, John Paul
CORPORATE SOURCE: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
SOURCE: J. Med. Chem. (1984), 27(3), 386-9
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



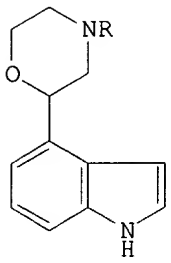
I

AB The title compd. (I; R = OH) (II) is proposed as a biol. active metabolite of dopaminergic agent I (R = H) (III). II was prepd. in several steps from 2,3,5-Me(O2N)2C6H2CO2Me, involving the Batcho-Leimgruber modification of the Reissert indole synthesis. In cats, II inhibited the cardioaccelerator nerve with ED50 of 0.019 .mu.g/kg i.v. II had max. pharmacol. effect <5 min after i.v. administration, compared with 20 min for III. These results are consistent with II being a metabolite of III.

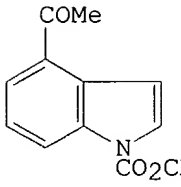
IT **88132-59-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydride redn. of)

IT **88132-60-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis of, by butyllithium)

L18 ANSWER 20 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1984:6427 HCAPLUS
DOCUMENT NUMBER: 100:6427
TITLE: Synthesis of 4-(4-alkyl-2-morpholinyl)indoles
AUTHOR(S): Clark, Robin D.
CORPORATE SOURCE: Inst. Org. Chem., Syntex Res., Palo Alto, CA, 94304, USA
SOURCE: J. Heterocycl. Chem. (1983), 20(5), 1393-5
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I



II

AB N-Substituted 4-(2-morpholinyl)indoles I (R = Me, Et, Pr) were prepd. from 4-acetylindole (II) which was itself prepd. from 4-cyanoindole. Bromination of ketone II followed by reaction with amines and subsequent NaBH4 redn., gave amino alcs. These were converted to .alpha.-chloro amides that were cyclized to lactams. LiAlH4 redn. served both to remove the protecting group and to reduce the lactams to the 4-(2-morpholinyl)indoles.

IT **88059-23-8P 88059-31-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and chloroacetylation of)

IT **88059-25-0P 88059-32-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and cyclization of, morpholine from)

IT **88059-22-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and debenzylation of)

IT **88059-24-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L18 ANSWER 21 OF 21 HCAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1969:28749 HCAPLUS
DOCUMENT NUMBER: 70:28749
TITLE: Synthetic indole compounds. V. Syntheses of indoles with (2-aminoethyl)-, (2-aminopropyl)-, or alkanolamine side chains on the six-membered ring
AUTHOR(S): Troxler, Franz; Harnisch, A.; Bormann, G.; Seemann, F.; Szabo, L.
CORPORATE SOURCE: Pharm. Chem. Forschungslab., Sandoz. A.-G., Basel, Switz.
SOURCE: Helv. Chim. Acta (1968), 51(7), 1616-28
CODEN: HCACAV
DOCUMENT TYPE: Journal
LANGUAGE: German
GI For diagram(s), see printed CA Issue.
AB 4-, 5-, 6-, and 7-Cyanoindoles are converted in excellent yields into the corresponding formylindoles by sodium hypophosphite/nickel according to the method of Backeberg and Staskum (1961). Condensation of these formylindoles with nitromethane or nitroethane affords the related nitrovinylindoles, which are reduced to the title aminoalkylindoles by LiAlH4. On the other hand, 5-chloroacetylindole is aminated by reaction with various secondary amines, and the amino ketones formed are reduced to the corresponding 5-(2-amino-1-hydroxyalkyl)indoles. Friedel-Crafts condensation of 1-acetyl-7-hydroxyindoline with ClCH2COCl yields 1-acetyl-4-chloroacetyl-7-hydroxyindoline (I), which is transformed into indoline derivs. carrying a 2-amino-1-hydroxyethyl side-chain in position 4.

IT **20996-82-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

=>

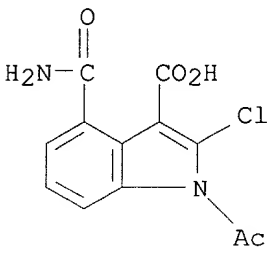
```
=>

=> fil caold

FILE 'CAOLD' ENTERED AT 17:19:59 ON 03 MAR 2000
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2000 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=>

=>

=> s l17

L19          1 L17

=>

=>

=> d all l19 1


L19  ANSWER 1 OF 1  COPYRIGHT 2000 ACS
AN   CA55:2604i  CAOLD
TI   3,4-disubstituted indole derivs.
AU   Plieninger, Hans; Mueller, W.
IT  91958-99-5  99988-55-3 100375-23-3 100398-99-0 101287-81-4 101353-00-8
     101895-93-6 102373-80-8 109255-82-5 111032-42-9 111799-93-0
     112049-01-1 112090-11-6


=>

=>

=> fil reg

FILE 'REGISTRY' ENTERED AT 17:20:19 ON 03 MAR 2000
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2000 American Chemical Society (ACS)

STRUCTURE FILE UPDATES:    2 MAR 2000  HIGHEST RN 257892-46-9
DICTIONARY FILE UPDATES:   2 MAR 2000  HIGHEST RN 257892-46-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 13, 1999

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.
```

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

=> d ide can l17 1-53

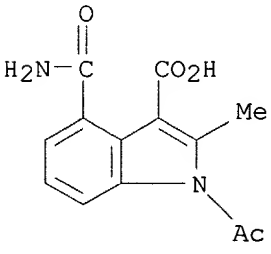
L17 ANSWER 1 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 250716-68-8 REGISTRY
CN 1H-Indole-3-carboxylic acid, 1-acetyl-4-(aminocarbonyl)-2-chloro- (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C12 H9 Cl N2 O4
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:351239

L17 ANSWER 2 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 250716-67-7 REGISTRY
CN 1H-Indole-3-carboxylic acid, 1-acetyl-4-(aminocarbonyl)-2-methyl- (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C13 H12 N2 O4
SR CA
LC STN Files: CA, CAPLUS

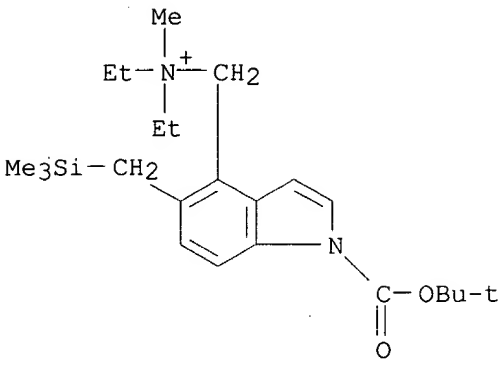


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:351239

L17 ANSWER 3 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 225117-72-6 REGISTRY
CN 1H-Indole-4-methanaminium, 1-[(1,1-dimethylethoxy)carbonyl]-N,N-diethyl-N-
methyl-5-[(trimethylsilyl)methyl]-, iodide (9CI) (CA INDEX NAME)
MF C23 H39 N2 O2 Si . I

SR CA
LC STN Files: CA, CAPLUS, CASREACT



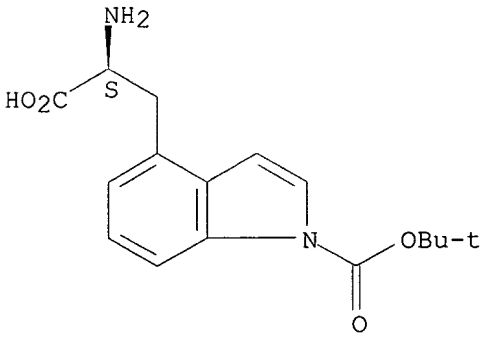
● I^-

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 130:352160

L17 ANSWER 4 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 220499-16-1 REGISTRY
CN 1H-Indole-4-propanoic acid, .alpha.-amino-1-[(1,1-dimethylethoxy)carbonyl]-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C16 H20 N2 O4
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (-).



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

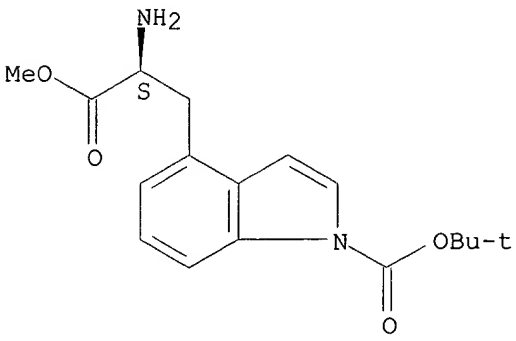
REFERENCE 1: 131:286830

REFERENCE 2: 130:168621

L17 ANSWER 5 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 220499-15-0 REGISTRY
CN 1H-Indole-4-propanoic acid, .alpha.-amino-1-[(1,1-dimethylethoxy)carbonyl]-, methyl ester, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H22 N2 O4

SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (+).

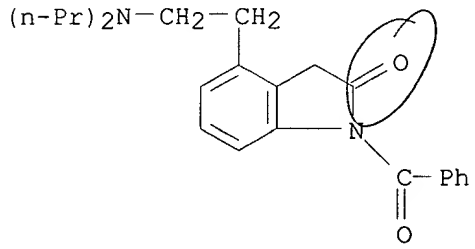


2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:286830

REFERENCE 2: 130:168621

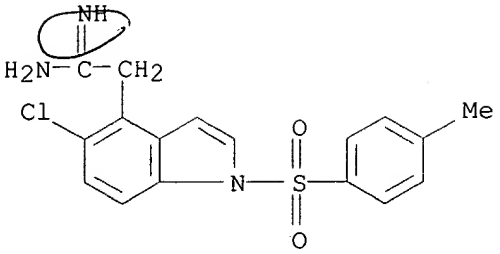
L17 ANSWER 6 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 216365-46-7 REGISTRY
CN 2H-Indol-2-one, 1-benzoyl-4-[2-(dipropylamino)ethyl]-1,3-dihydro-, conjugate monoacid (9CI) (CA INDEX NAME)
MF C23 H28 N2 O2 . H
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 130:24737

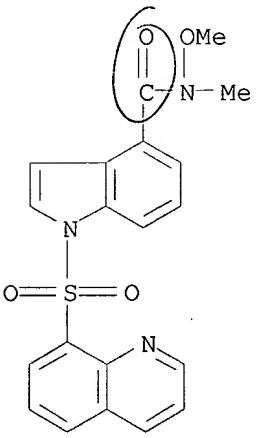
L17 ANSWER 7 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 205381-83-5 REGISTRY
CN 1H-Indole-4-ethanimidamide, 5-chloro-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H16 Cl N3 O2 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 128:257449

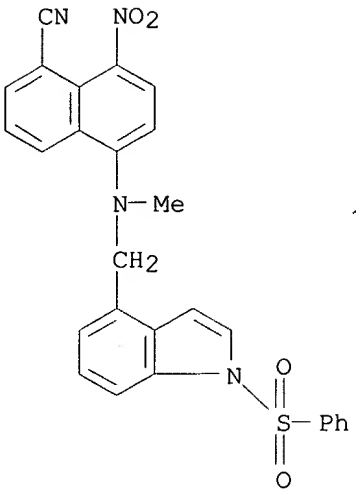
L17 ANSWER 8 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 189293-35-4 REGISTRY
CN 1H-Indole-4-carboxamide, N-methoxy-N-methyl-1-(8-quinolinylsulfonyl)-
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H17 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 127:17592

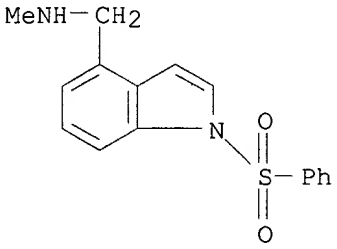
L17 ANSWER 9 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 177210-27-4 REGISTRY
CN 1H-Indole-4-methanamine, N-(5-cyano-4-nitro-1-naphthalenyl)-N-methyl-1-
(phenylsulfonyl)- (9CI) (CA INDEX NAME)
MF C27 H20 N4 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:10624

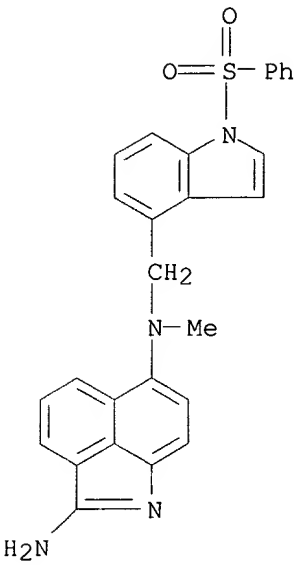
L17 ANSWER 10 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 177210-26-3 REGISTRY
CN 1H-Indole-4-methanamine, N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H16 N2 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:10624

L17 ANSWER 11 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 177210-22-9 REGISTRY
CN 1H-Indole-4-methanamine, N-(2-aminobenz[cd]indol-6-yl)-N-methyl-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C27 H22 N4 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



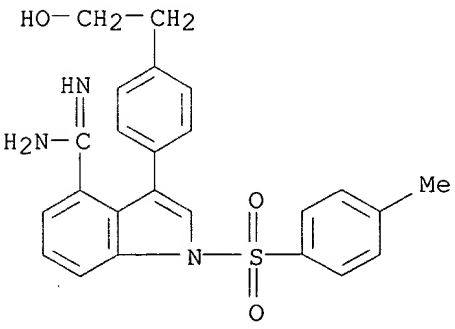
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:10624

L17 ANSWER 12 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-42-6 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, monoacetate (salt) (9CI) (CA INDEX NAME)
MF C24 H23 N3 O3 S . C2 H4 O2
SR CA
LC STN Files: CA, CAPLUS

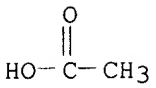
CM 1

CRN 167084-14-2
CMF C24 H23 N3 O3 S



CM 2

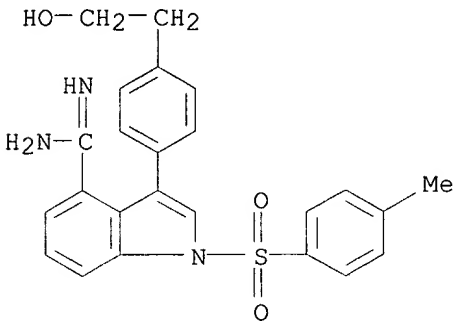
CRN 64-19-7
CMF C2 H4 O2



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 13 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-41-5 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, monohydriodide (9CI) (CA INDEX NAME)
MF C24 H23 N3 O3 S . H I
SR CA
LC STN Files: CA, CAPLUS
CRN (167084-14-2)



● HI

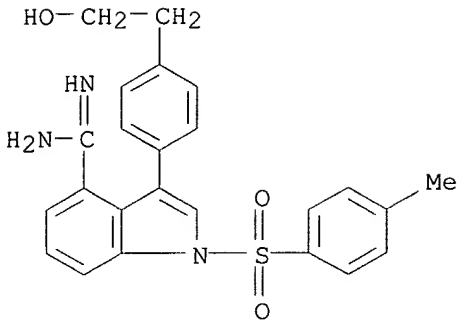
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 14 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-40-4 REGISTRY
CN Phosphoric acid, dimethyl ester, compd. with 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-1H-indole-4-carboximidamide (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Indole-4-carboximidamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, mono(dimethyl phosphate) (salt) (9CI)
MF C24 H23 N3 O3 S . C2 H7 O4 P
SR CA
LC STN Files: CA, CAPLUS

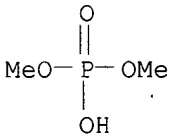
CM 1

CRN 167084-14-2
CMF C24 H23 N3 O3 S



CM 2

CRN 813-78-5
CMF C2 H7 O4 P



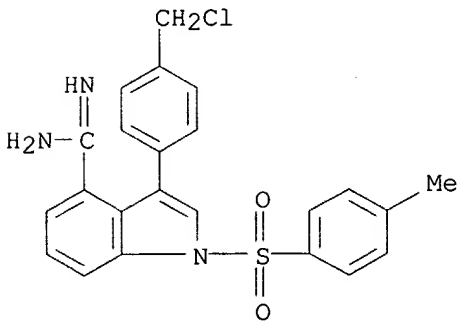
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 15 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-35-7 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(chloromethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)
MF C23 H20 Cl N3 O2 S . C6 H3 N3 O7
SR CA
LC STN Files: CA, CAPLUS

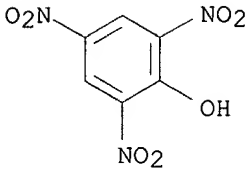
CM 1

CRN 167084-34-6
CMF C23 H20 Cl N3 O2 S



CM 2

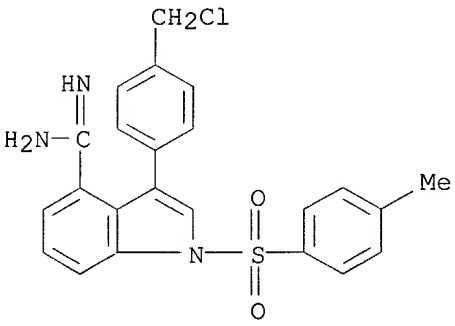
CRN 88-89-1
CMF C6 H3 N3 O7



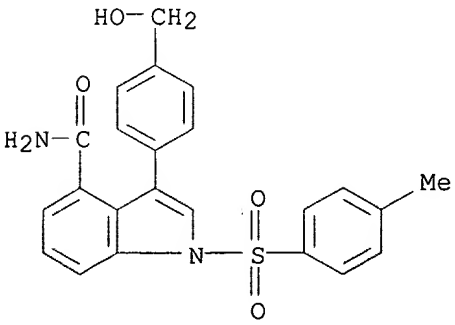
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 16 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-34-6 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(chloromethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H20 Cl N3 O2 S
CI COM
SR CA



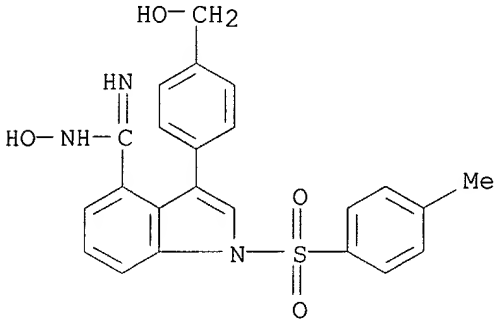
L17 ANSWER 17 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-33-5 REGISTRY
CN 1H-Indole-4-carboxamide, 3-[4-(hydroxymethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H20 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 18 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-32-4 REGISTRY
CN 1H-Indole-4-carboximidamide, N-hydroxy-3-[4-(hydroxymethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H21 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS



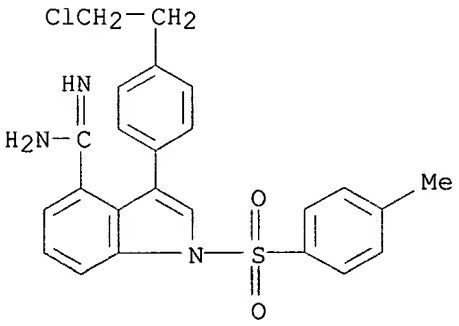
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 19 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-27-7 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(2-chloroethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)
MF C24 H22 Cl N3 O2 S . C6 H3 N3 O7
SR CA
LC STN Files: CA, CAPLUS

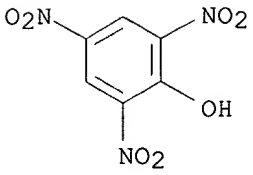
CM 1

CRN 167084-26-6
CMF C24 H22 Cl N3 O2 S



CM 2

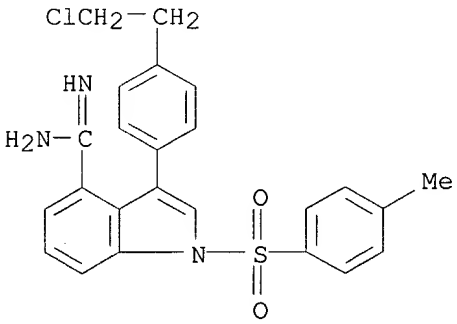
CRN 88-89-1
CMF C6 H3 N3 O7



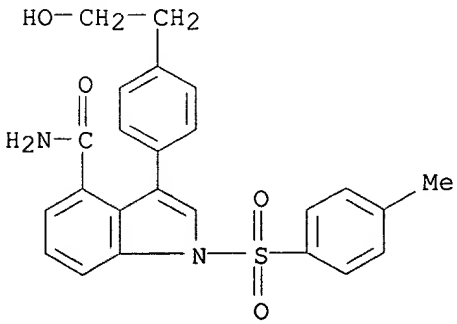
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 20 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-26-6 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(2-chloroethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H22 Cl N3 O2 S
CI COM
SR CA



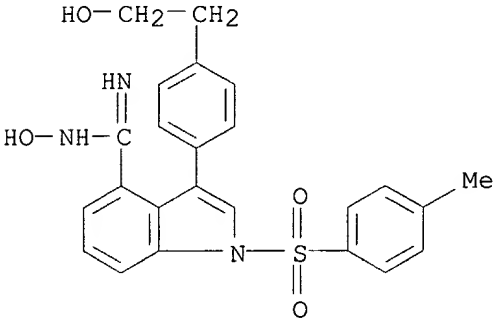
L17 ANSWER 21 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-25-5 REGISTRY
CN 1H-Indole-4-carboxamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H22 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

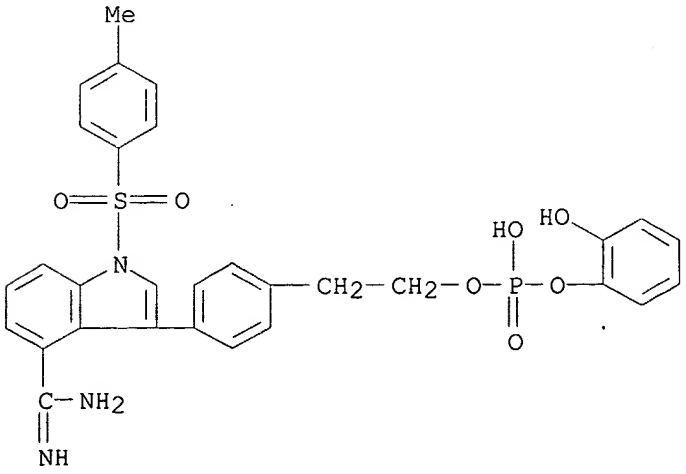
L17 ANSWER 22 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-24-4 REGISTRY
CN 1H-Indole-4-carboximidamide, N-hydroxy-3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H23 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 23 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-19-7 REGISTRY
CN Phosphoric acid, mono[2-[4-[4-(aminoiminomethyl)-1-[(4-methylphenyl)sulfonyl]-1H-indol-3-yl]phenyl]ethyl]mono(2-hydroxyphenyl) ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H28 N3 O7 P S
SR CA
LC STN Files: CA, CAPLUS



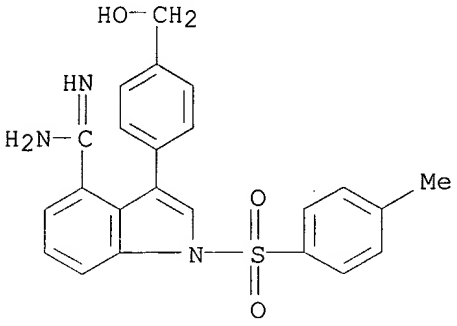
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

L17 ANSWER 24 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-18-6 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(hydroxymethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)
MF C23 H21 N3 O3 S . C6 H3 N3 O7
SR CA
LC STN Files: CA, CAPLUS

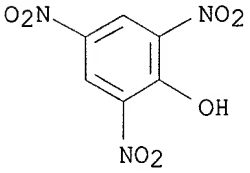
CM 1

CRN 167084-17-5
CMF C23 H21 N3 O3 S



CM 2

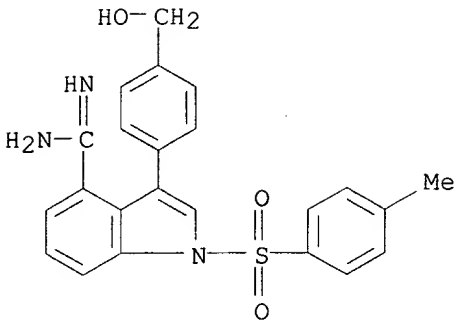
CRN 88-89-1
CMF C6 H3 N3 O7



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:169468

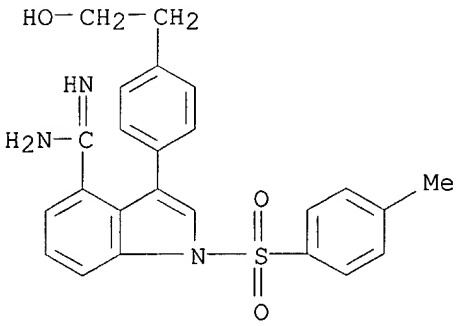
L17 ANSWER 25 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-17-5 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(hydroxymethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H21 N3 O3 S
CI COM
SR CA



L17 ANSWER 26 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-16-4 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)
MF C24 H23 N3 O3 S . C6 H3 N3 O7
SR CA
LC STN Files: CA, CAPLUS

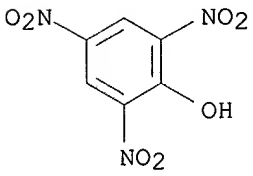
CM 1

CRN 167084-14-2
CMF C24 H23 N3 O3 S



CM 2

CRN 88-89-1
CMF C6 H3 N3 O7



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

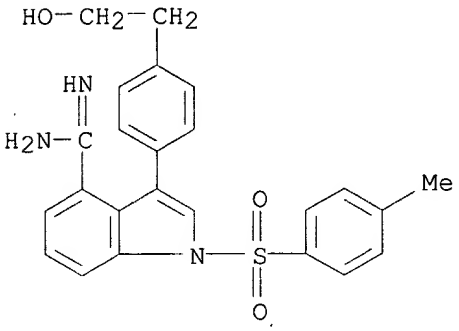
REFERENCE 1: 123:169468

L17 ANSWER 27 OF 53 REGISTRY COPYRIGHT 2000 ACS

RN 167084-15-3 REGISTRY
CN Borate(1-), tetraphenyl-, hydrogen, compd. with 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-1H-indole-4-carboximidamide (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Indole-4-carboximidamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]-, mono[tetraphenylborate(1-)] (9CI)
MF C24 H23 N3 O3 S . C24 H20 B . H
SR CA
LC STN Files: CA, CAPLUS

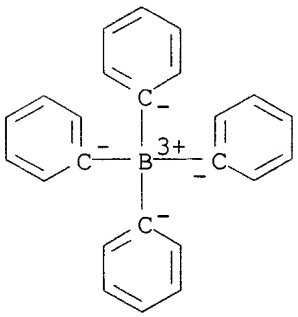
CM 1

CRN 167084-14-2
CMF C24 H23 N3 O3 S



CM 2

CRN 33906-65-9 (4358-26-3)
CMF C24 H20 B . H
CCI CCS



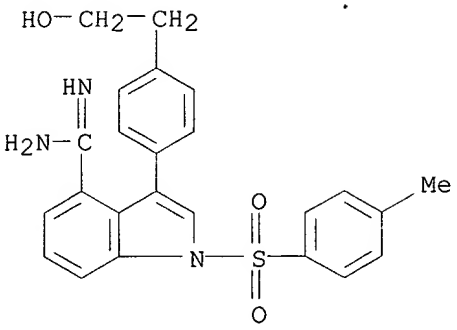
● H^+

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

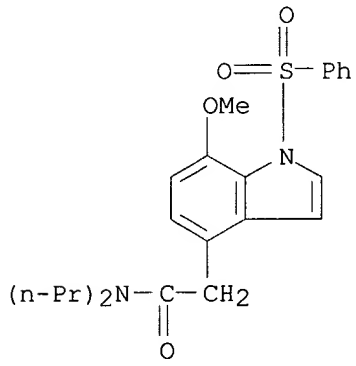
REFERENCE 1: 123:169468

L17 ANSWER 28 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 167084-14-2 REGISTRY
CN 1H-Indole-4-carboximidamide, 3-[4-(2-hydroxyethyl)phenyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C24 H23 N3 O3 S
CI COM
SR CA



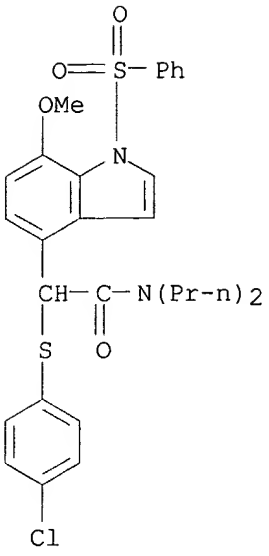
L17 ANSWER 29 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 155602-55-4 REGISTRY
CN 1H-Indole-4-acetamide, 7-methoxy-1-(phenylsulfonyl)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H28 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:35250

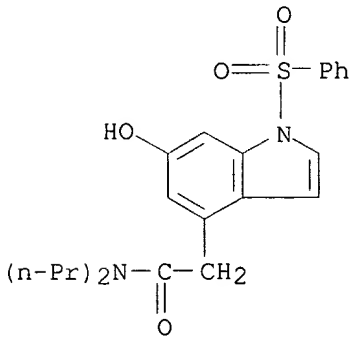
L17 ANSWER 30 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 155602-54-3 REGISTRY
CN 1H-Indole-4-acetamide, .alpha.-[(4-chlorophenyl)thio]-7-methoxy-1-(phenylsulfonyl)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C29 H31 Cl N2 O4 S2
SR CA
LC STN Files: CA, CAPLUS, CASREACT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:35250

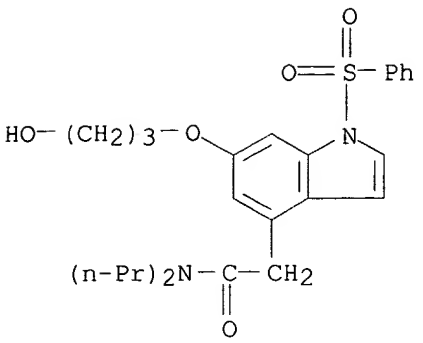
L17 ANSWER 31 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 146073-41-8 REGISTRY
CN 1H-Indole-4-acetamide, 6-hydroxy-1-(phenylsulfonyl)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H26 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:101757

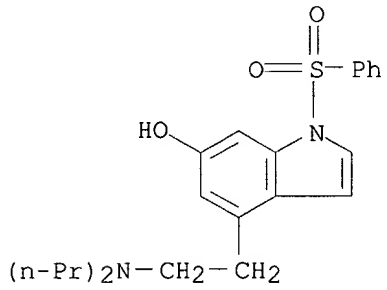
L17 ANSWER 32 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 146073-40-7 REGISTRY
CN 1H-Indole-4-acetamide, 6-(3-hydroxypropoxy)-1-(phenylsulfonyl)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H32 N2 O5 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:101757

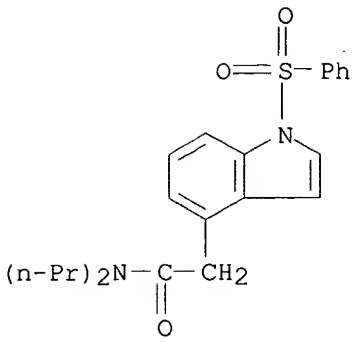
L17 ANSWER 33 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 146073-35-0 REGISTRY
CN 1H-Indol-6-ol, 4-[2-(dipropylamino)ethyl]-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H28 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:101757

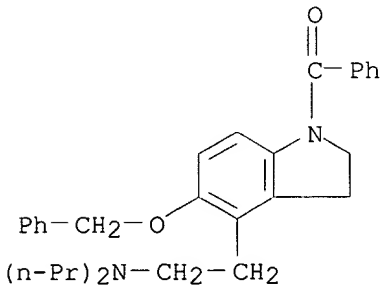
L17 ANSWER 34 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 146073-10-1 REGISTRY
CN 1H-Indole-4-acetamide, 1-(phenylsulfonyl)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H26 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, CHEMINFORMRX



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:124343

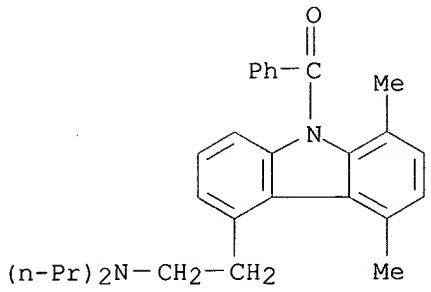
L17 ANSWER 35 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 143389-48-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-(phenylmethoxy)-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H36 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXLIT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 117:184656

L17 ANSWER 36 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 139304-45-3 REGISTRY
CN 9H-Carbazole-4-ethanamine, 9-benzoyl-5,8-dimethyl-N,N-dipropyl-, monohydrochloride (9CI) (CA INDEX NAME)
MF C29 H34 N2 O . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

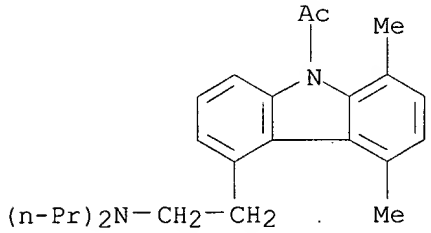


• HCl

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 116:106087

L17 ANSWER 37 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 139304-44-2 REGISTRY
CN 9H-Carbazole-4-ethanamine, 9-acetyl-5,8-dimethyl-N,N-dipropyl-, monohydrochloride (9CI) (CA INDEX NAME)
MF C24 H32 N2 O . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



• HCl

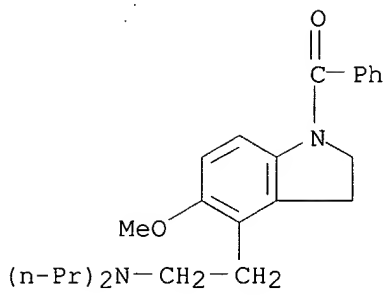
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 116:106087

L17 ANSWER 38 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 132560-40-8 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-methoxy-N,N-dipropyl-, ethanedioate (1:1) (9CI) (CA INDEX NAME)
MF C24 H32 N2 O2 . C2 H2 O4
SR CA
LC STN Files: CA, CAPLUS

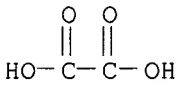
CM 1

CRN 132560-38-4
CMF C24 H32 N2 O2



CM 2

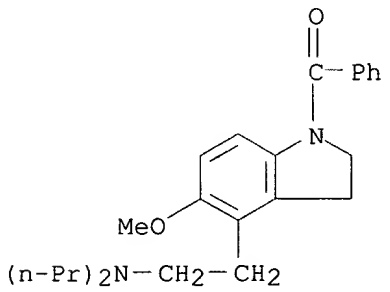
CRN 144-62-7
CMF C2 H2 O4



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:121946

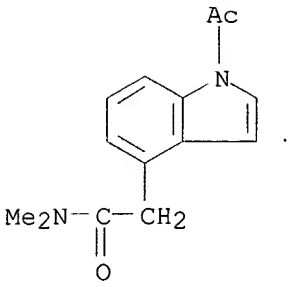
L17 ANSWER 39 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 132560-38-4 REGISTRY
CN 1H-Indole-4-ethanamine, 1-benzoyl-2,3-dihydro-5-methoxy-N,N-dipropyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H32 N2 O2
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:121946

L17 ANSWER 40 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 129052-51-3 REGISTRY
CN 1H-Indole-4-acetamide, 1-acetyl-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H16 N2 O2
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

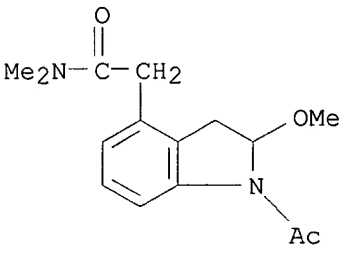


2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 128:270493

REFERENCE 2: 113:115637

L17 ANSWER 41 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 129052-50-2 REGISTRY
CN 1H-Indole-4-acetamide, 1-acetyl-2,3-dihydro-2-methoxy-N,N-dimethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Indole-4-acetamide, 1-acetyl-2,3-dihydro-2-methoxy-N,N-dimethyl-, (.+-.)-
FS 3D CONCORD
MF C15 H20 N2 O3
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

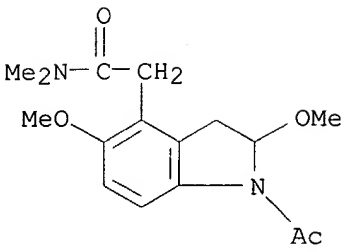


2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 128:270493

REFERENCE 2: 113:115637

L17 ANSWER 42 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 129052-48-8 REGISTRY
CN 1H-Indole-4-acetamide, 1-acetyl-2,3-dihydro-2,5-dimethoxy-N,N-dimethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Indole-4-acetamide, 1-acetyl-2,3-dihydro-2,5-dimethoxy-N,N-dimethyl-, (.+-.)-
FS 3D CONCORD
MF C16 H22 N2 O4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

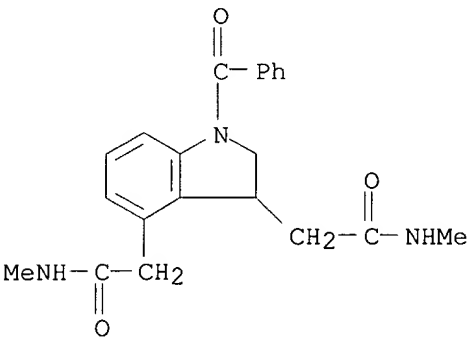


2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 128:270493

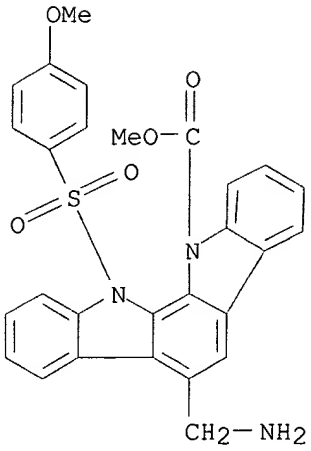
REFERENCE 2: 113:115637

L17 ANSWER 43 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 102373-80-8 REGISTRY
CN 3,4-Indolinediacetamide, 1-benzoyl-N,N'-dimethyl- (6CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H23 N3 O3
SR CAOLD
LC STN Files: BEILSTEIN*, CAOLD
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

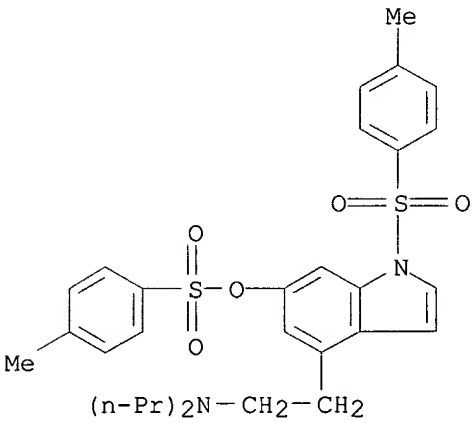
L17 ANSWER 44 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 94475-51-1 REGISTRY
CN Indolo[2,3-a]carbazole-11(12H)-carboxylic acid, 5-(aminomethyl)-12-[(4-methoxyphenyl)sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)
MF C28 H23 N3 O5 S
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 102:62501

L17 ANSWER 45 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88132-60-9 REGISTRY
CN 1H-Indol-6-ol, 4-[2-(dipropylamino)ethyl]-1-[(4-methylphenyl)sulfonyl]-, 4-methylbenzenesulfonate (ester) (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H36 N2 O5 S2
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

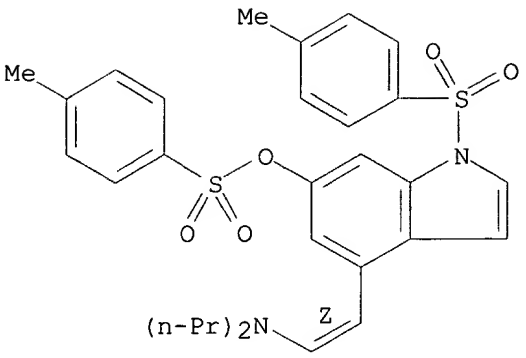


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:85539

L17 ANSWER 46 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88132-59-6 REGISTRY
CN 1H-Indol-6-ol, 4-[2-(dipropylamino)ethenyl]-1-[(4-methylphenyl)sulfonyl]-, 4-methylbenzenesulfonate (ester), (Z)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C30 H34 N2 O5 S2
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

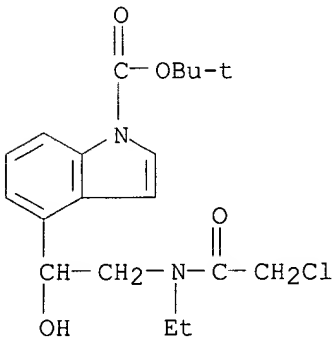
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:85539

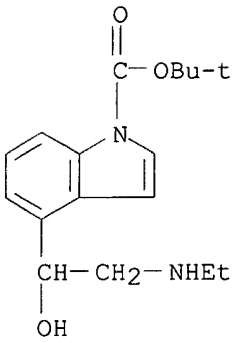
L17 ANSWER 47 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88059-32-9 REGISTRY
CN 1H-Indole-1-carboxylic acid, 4-[2-[(chloroacetyl)ethylamino]-1-hydroxyethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H25 Cl N2 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:6427

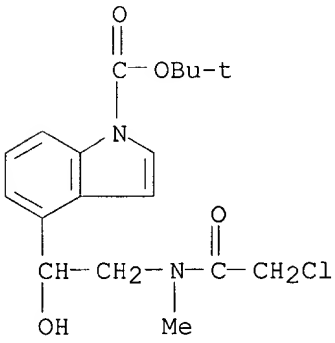
L17 ANSWER 48 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88059-31-8 REGISTRY
CN 1H-Indole-1-carboxylic acid, 4-[2-(ethylamino)-1-hydroxyethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H24 N2 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:6427

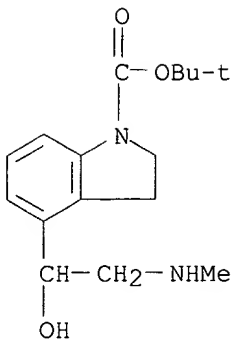
L17 ANSWER 49 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88059-25-0 REGISTRY
CN 1H-Indole-1-carboxylic acid, 4-[2-[(chloroacetyl)methylamino]-1-hydroxyethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H23 Cl N2 O4
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:6427

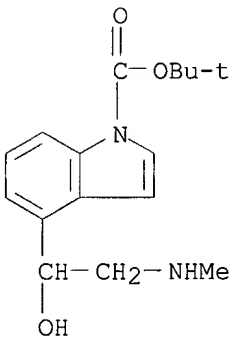
L17 ANSWER 50 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88059-24-9 REGISTRY
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-4-[1-hydroxy-2-(methylamino)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H24 N2 O3
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:6427

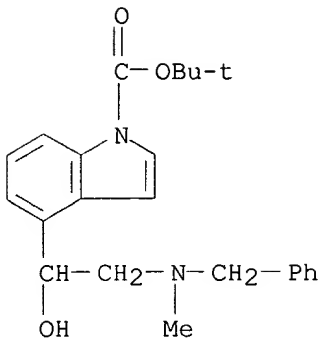
L17 ANSWER 51 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88059-23-8 REGISTRY
CN 1H-Indole-1-carboxylic acid, 4-[1-hydroxy-2-(methylamino)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H22 N2 O3
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:6427

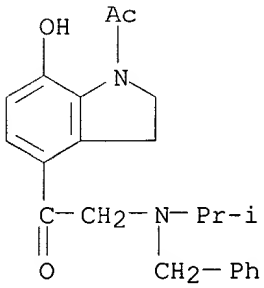
L17 ANSWER 52 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 88059-22-7 REGISTRY
CN 1H-Indole-1-carboxylic acid, 4-[1-hydroxy-2-[methyl(phenylmethyl)amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H28 N2 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:6427

L17 ANSWER 53 OF 53 REGISTRY COPYRIGHT 2000 ACS
RN 20996-82-1 REGISTRY
CN Indol-7-ol, 1-acetyl-4-(N-benzyl-N-isopropylglycyl)- (8CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H26 N2 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 70:28749